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PLEASE NOTE: This catalogue is for guidance purposes only. Prices and information contained herein cannot be guaranteed under any circumstances and are liable to change without prior notice.

Please contact the office for quotations or with any queries.

Spartan Controls' terms and conditions apply at all times - please contact the office for a copy.

Thermostats

Stat	Part No	Range	Electrical	Features	Retail Price
Outside (Frost)	PTR030	-30/+30°C	250v 8A res.	IP65 concealed	£55.00
Capillary	CAPSTAT030	-30/+30°C	230v 8A res.	1m capillary	£73.00
Capillary	CAPSTAT0120	0/+120°C	250v 8A res.	1m capillary	£55.00
Capillary	SFS-1	-15/+15°C	230v 24(10)A	Auto reset IP43, 6m ave.	£66.00
Capillary	SFS-1W	-15/+15°C	230v 24(10)A	Auto reset IP65, 6m ave.	£93.00
Capillary	SFS-2	-15/+15°C	230v 24(10)A	Manual reset IP43, 6m ave.	£66.00
Capillary	SFS-2W	-15/+15°C	230v 24(10)A	Manual reset IP65, 6m ave.	£93.00
Space	SRS-1	+5/+30°C	240v 10(3)A	Exposed dial	£18.70
Space	SRFS	-5/+15°C	250v 10(2.5)A	Frost stat	£21.00
Space	Digistat +	+5/+30°C	240v 2(1)A	LCD display	£POA
Space	Digistat +3	+5/+30°C	240v 2(1)A	7-day programmable	£POA
Space	RF710	+5/+30°C	240v 2(1)A	Radio trans-signal	£POA
Space	RF700	+5/+30°C	240v 2(1)A	24h programmable	£POA
Space	RF701	+5/+30°C	240v 2(1)A	7-day programmable	£POA
Space	RAA11	+8/+30°C	250v 6(2.5)A	2-pos'n, tamperproof	£20.00
Space	RAA21	+8/+30°C	250v 6(2.5)A	2-pos'n, open scale	£25.00
Duct	RAK-TW5-AB200	-10/+50°C	250v 6(2.5)A	Rigid stem	£64.05
Strap-on	SPS-2	+30/+90°C	240v 15(3)A	Auto reset IP30	£33.00
Dual Immersion	EBD-2	+35/+95°C	230v 15(5)A	Auto & Auto reset IP43	£251.23
Immersion	SIT-1	0/+90°C	250v 6(2.5)A	IP40 c/w pocket	£51.70
Accessories to Suit					
DFC-6 Clips	x6 clips to suit SFS...				£7.70



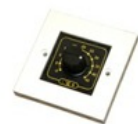
EBD8



RAK.TW1000



CAD-1DS



CAD-POT



QPA2000

Electronic Thermostats

Part no	Range	Electrical	Features	Retail Price
CAD-1DS	-5/+95°C	24v or 230v	1x 240v 10(5)A relay, din rail mounting	£100.10
CAD-2DS	-5/+95°C	24v or 230v	2x 240v 10(5)A relays, din rail mounting	£135.30
CAD-XR2 MODULE	N/A	N/A	2x 240v 10(5)A relays (use w/ CAD-2DS for 4/6/8 stages)	£61.60
Sensors to suit				
CAD-R	Space/ room		IP20 84mm(H) x 84mm (W) x 24mm (D)	£15.75
CAD-I	Immersion		IP65 150mm x 6mm probe (requires pocket)	£29.40
CAD-O	Outside		IP65 80mm (Dia) x 50mm (D) housing	£28.05
CAD-D	Duct		IP65 150mm x 6mm probe	£29.40
CAD-S	Strap-on		IP65 150mm x 50mm housing, 150mm strap	£28.35
CAD-F	Fly lead		IP65 38mm x 6mm probe, 2m cable	£18.90
CAD-BB	Black bulb		IP20 84mm (H) x 84mm (W) x 40mm (D)	£49.35
CAD-AV	Space twin element		IP20 84mm (H) x 84mm (W) x 24mm (D)	£29.40
CAD-POT	Set point adj.		C/w scales (-5/+45°C, +25/+95°C, -4/+4°C)	£59.40

Humidistats

Part No	Description	Range	Electric	Retail Price
EHR-1	Space humidistat	35-100% RH	250v 6(2.5)A IP30	£113.69
EHD-1	Duct humidistat	30-100% RH	230v 14(5)A IP54	£190.23

Occupancy/ Humidity/ Air Quality/ Wind Speed Sensors

Sensor	Part No	Range	Features	Electrical	Retail Price
Occupancy	EBD/S/PIR/VFC/24VAC	N/A	Ceiling-mounted	24v supply	£101.85
Humidity (space)	RHTR3-T1	10-90% RH	IP20 Humid & Temp	24v supply, 0-10v	£189.00
Humidity (duct)	RHTD3	20-95% RH	IP40 Humidity	24v supply, 0-10v	£231.00
CO ₂ (space)	QPA2000	0-2000 ppm	IP30 CO ₂ (Air Quality)	24v supply, 0-10v	£256.00
CO ₂ (duct)	QPM2100	0-2000 ppm	IP54 CO ₂ (Air Quality)	24v supply, 0-10v	£427.00
Wind speed	WSU4	0-90m/s	C/w bracket (max 2" diam.)	24v supply	£POA
Wind speed/ dir	WSD-10	0-90m/s	C/w bracket (max 2" diam.)	24v supply, 0-1kohm	£POA



CO2MC-R

Further options are available on page 6 (gas detection), pages 17-18 (Belimo sensors), page 39 (Sontay sensors) and page 40 (Trend sensors).

Temperature Sensors

Sensor	Part No	Compatibility	Features	Retail Price
Space/room	TR1	Trend 10K3A1	IP30 84mm x 84mm x 24mm	£12.60
Duct	TD	Trend 10K3A1	IP65 150mm x 6mm probe	£25.20
Immersion	TI	Trend 10K3A1	IP65 150mm x 6mm probe	£25.20
Outside	TO	Trend 10K3A1	IP65 80mm x 50mm	£18.90
Strap-on	TS	Trend 10K3A1	IP65 up to 150mm pipe	£29.40
Flylead/ cable	TF	Trend 10K3A1	38mm x 6mm, 2m cable	£17.85
Space/ room	CR	Cylon PT1000	84mm x 84mm x 24mm	£24.15
Duct	CD	Cylon PT1000	IP65 150mm x 6mm probe	£34.00
Immersion	CI	Cylon PT1000	IP65 150mm x 6mm probe	£36.75
Outside	CO	Cylon PT1000	IP65 80mm x 50mm	£31.50
Strap-on	CS	Cylon PT1000	IP65 up to 150mm pipe	£37.80
Space/ room	SR	Satchwell "T" series	84mm x 84mm x 24mm	£23.10
Immersion	SI	Satchwell "T" series	IP65 150mm x 6mm probe	£38.85
Outside	SO	Satchwell "T" series	IP65 80mm x 50mm	£53.55
Strap-on	SS	Satchwell "T" series	IP65 up to 150mm pipe	£40.95
Duct	SD	Satchwell "T" series	IP65 150mm x 6mm probe	£36.75
Immersion	TE-ITAC	Satchwell 1.8K3A1	IP65 150mm x 6mm probe	£37.80
Outside	TE-OTAC	Satchwell 1.8K3A1	IP65 80mm x 50mm	£33.60
Space/ room	TE-RTAC	Satchwell 1.8K3A1	84mm x 84mm x 24mm	£26.25
Strap-on	TE-STAC	Satchwell 1.8K3A1	IP65 up to 150mm pipe	£37.80
Immersion	TE-IH	Honeywell 20K6A1	IP65 150mm x 6mm probe	£37.80
Outside	TE-OH	Honeywell 20K6A1	IP65 80mm x 50mm	£33.60
Space/ room	TE-RH	Honeywell 20K6A1	84mm x 84mm x 24mm	£26.25
Strap-on	TE-SH	Honeywell 20K6A1	IP65 up to 150mm pipe	£37.80



TD



TF

Accessories

Part No	Description	Features	Retail Price
POC-1	Brass pocket for immersion sensor	150mm x 8mm x 1/2" bsp	£13.65
POC-2	Steel pocket for immersion sensor	150mm x 8mm x 1/2" bsp	£32.55
RH-1	Rain hood	290mm x 270mm, velcro & rope tie seal	£39.90
RH-2	Rain hood	470mm x 310mm, velcro & rope tie seal	£48.30
RH-3	Rain hood	430mm x 390mm, velcro & rope tie seal	£48.30
RH-4	Rain hood	250mm x 230mm, velcro & rope tie seal	£43.05



RH...

Pressure transmitters

(A= air, W = water, S = steam)

Sensor	Part No	Range	Features	Electrical	Retail Price
A differential	QBM2030-1U	-/+50, -/+100, 0/100 pa	IP54, 6.2mm hose	24v supply, 0-10v	£166.00
A differential	QBM2030-5	0-200, 0-250, 0-500 pa	IP54, 6.2mm hose	24v supply, 0-10v	£166.00
A differential	QBM2030-30	0-1000, 0-1500, 0-3000 pa	IP54, 6.2mm hose	24v supply, 0-10v	£166.00
W/S/A static	528-4	0-4 bar	IP65	4-20mA output	£206.48
W/S/A static	528-6	0-6 bar	IP65	4-20mA output	£206.48
W/S/A static	528-10	0-10 bar	IP65	4-20mA output	£206.48
W/S/A static	528-4-v	0-4 bar	IP65	0-10v output	£226.20
W/S/A static	528-6-v	0-6 bar	IP65	0-10v output	£226.20
W/S/A static	528-10-v	0-10 bar	IP65	0-10v output	£226.20
W/S/A differential	692-0.2	0-200 mbar	IP65	4-20mA output	£381.63
W/S/A differential	692-0.4	0-400 mbar	IP65	4-20mA output	£381.63
W/S/A differential	692-1	0-1 bar	IP65	4-20mA output	£350.45
W/S/A differential	692-2.5	0-2.5 bar	IP65	4-20mA output	£350.45
W/S/A differential	692-4	0-4 bar	IP65	4-20mA output	£350.45
W/S/A differential	692-6	0-6 bar	IP65	4-20mA output	£350.45
W/S/A differential	692-0.2-v	0-200 mbar	IP65	0-10v output	£457.95
W/S/A differential	692-0.4-v	0-400 mbar	IP65	0-10v output	£457.95
W/S/A differential	692-1-v	0-1 bar	IP65	0-10v output	£457.95
W/S/A differential	692-2.5-v	0-2.5 bar	IP65	0-10v output	£457.95
W/S/A differential	692-4-v	0-4 bar	IP65	0-10v output	£457.95
W/S/A differential	692-6-v	0-6 bar	IP65	0-10v output	£457.95



QBM2030-5



PL-528...



PL-692...

Other ranges are available; please contact the office for details.

Proportional/ Integral Action Controller

Part No	Description	Features	Retail Price
CAD-1PI	Single output, din rail mounted	24v supply, 0-10v output *NOT EXPANDABLE*	£125.40
CAD-PI	Single output, din rail mounted	24v supply, 0-10v output *EXPANDABLE: see CAD-XM1A*	£145.20
CAD-XM1A	Output expansion module	Use up to 2x with CAD-PI for total 3x 0-10v outputs	£31.90
CAD-POT	Adjustable potentiometer	Facia-mounted *to suit CAD... controllers*	£59.40



CAD-PI

BMS Modules

(suitable for din rail mounting)

Part No	Description	Retail Price
RM1-12DC	12v DC single relay, 12(3)a	£10.50
RM1-24DC	24v DC single relay, 12(3)a	£11.55
RM1-24AC	12v AC single relay, 12(3)a	£11.55
RM1-230AC	230v AC single relay, 12(3)a	£16.80
IOVR1	0-10v input, single relay, 10(3)a	£51.45
IOR2	0-10v input, raise/lower, high/low module	£34.65
IOR3	0-10v input, 3-stage relay output	£57.75
IOR4	0-10v input, 4-stage relay output	£106.05
IOR6	0-10v input, 6-stage relay output	£120.75
PCM2-30	Dual output phasecut module (30vA), 0-10v input	£106.05
PCM1/120	Phasecut module (120vA), 0-10v input	£171.15
IO-DIM4	4-input digital multiplexor	£39.00
IOD6	6-input digital multiplexor	£117.60
ALM10-24	10-way 24v alarm integrator	£34.65
ALM10-230	10-way 230v alarm integrator	£42.00
RIBXKTF	Current switch, 0.25-150A range, max. 30v AC/DC SPST	£58.00
CAD-AP	Remote alarm unit: 230v, 24v or 0-10v (c/w sounder, mute, lamp)	£99.00
BB1	Black box for CAD-AP for wall mounting	£19.80



RIBXKTF

Transformers

Part No	Electrical	Va rating	Features	Retail Price
PS-25-L	230v AC/ 24v AC	25vA	Enclosed, c/w flyleads	£49.35
SEM621	230v AC/ 24v AC	30vA	Din rail mounted	£48.30
STX50	230v AC/ 24v AC	50vA	Panel mounted	£49.35
STX100	230v AC/ 24v AC	100vA	Panel mounted	£60.90
STX160	230v AC/ 24v AC	150vA	Panel mounted	£68.25
STX200	230v AC/ 24v AC	200vA	Panel mounted	£71.40
STX250	230v AC/ 24v AC	250vA	Panel mounted	£82.95
STX400	230v AC/ 24v AC	400vA	Panel mounted	£118.65
STX500	230v AC/ 24v AC	500vA	Panel mounted	£126.00



STX250

Thyristor Controllers

Part No	Phase	Electrical	KW	Dimensions (HxWxD)	Mounting	Retail Price
EY1-3	1-phase	230v supply 0-10v signal 230v load	3.5	150 x 90 x 65 mm	Din rail	£205.14
EY1-7	1-phase	230v supply 0-10v signal 230v load	7	150 x 102 102 mm	Din rail	£268.64
EY1-12	1-phase	230v supply 0-10v signal 230v load	12.5	200 x 112 x 146 mm	Bracket	£607.84
TCD1-2	1-phase	24v supply 0-10v signal 230v load	2	94 x 75 x 80 mm	Din rail	£100.80
TCD1-4	1-phase	24v supply 0-10v signal 230v load	4	94 x 75 x 80 mm	Din rail	£147.00
TCD1-7	1-phase	24v supply 0-10v signal 230v load	7	94 x 75 x 80 mm	Din rail	£182.70
EY3-10	3-phase	230v supply 0-10v signal 415v load	10	150 x 150 x 63.5 mm	Din rail	£412.23
EY3-20	3-phase	230v supply 0-10v signal 415v load	20	150 x 150 x 88 mm	Din rail	£365.06
EY3-28	3-phase	230v supply 0-10v signal 415v load	28	150 x 153 x 126 mm	Din rail	£547.84
EY3-36	3-phase	230v supply 0-10v signal 415v load	36	200 x 265 x 160 mm	Din rail	£705.99
EY3-54	3-phase	230v supply 0-10v signal 415v load	54	200 x 265 x 160 mm	Bracket	£908.04
EY3-86	3-phase	230v supply 0-10v signal 415v load	86	202 x 265 x 160 mm	Bracket	£1,520.04
TCD3-12	3-phase	24v supply 0-10v signal 415v load	12	110 x 170 x 102 mm	Din rail	£225.75
TCD3-18	3-phase	24v supply 0-10v signal 415v load	18	110 x 170 x 102 mm	Din rail	£264.60
TCP3-27	3-phase	24v supply 0-10v signal 415v load	27	102 x 257 x 142 mm	Panel	£543.90
TCP3-36	3-phase	24v supply 0-10v signal 415v load	36	102 x 257 x 142 mm	Panel	£570.15
TCP3-57	3-phase	24v supply 0-10v signal 415v load	57	200 x 257 x 158 mm	Panel	£682.50



EY3-20



TCP3-36

Self-powered options are available; please contact office for details.

Flow & Level Switches (inc. leak detection)

Part No	Description	Electrical	Features	Retail Price
SWFS	Water flow paddle switch	250v 15(8)A	IP65, range: 1-91 m ³ /h	£79.80
SAFS	Air flow paddle switch	250v 15(8)A	IP65, range: 1-9 m/s	£78.75
MAC3	Liquid level switch	230v 10(4)A	Vertical, 5m cable	£65.10
MINIMATIC	WRAS-approved float switch	230v 10(4)A	5m cable	£145.00
SWFS-LEV1	Liquid level switch	230v 15(8)A	Horizontal, 1" bspm	£108.15
S01DB-F84	Liquid level switch	240v 5(2)A	Horizontal, high/low alarm	£674.30
AX-WLD2-24	Water leak detection module	24v	Total 200m cable per zone, *sensors req'd*	£78.00
AX-WLD2-230	Water leak detection module	230v	Total 200m cable per zone, *sensors req'd*	£98.00
PS31	Rod set (3x 1m)	N/A	*Use with AX-WLD2*	£68.25
CAD-LDC	Leak detection cable	N/A	*Use with AX-WLD2*- sold per metre	£17.85
CAD-RS	Rain sensor	N/A	*Use with AX-WLD2...*	£98.70
CAD-PS	Point sensor	N/A	*Use with AX-WLD2...*	£37.80



SAFS



CAD-RS

Air Differential Pressure Switches

Part No	Range	Electrical	Features	Retail Price
SCL220	0.2-2 mbar	230v 5(1)A	IP54 *requires SDK1 kit*	£33.60
SCL330	0.3-3 mbar	250v 1.5 (0.4)A	IP54 *requires SDK1 kit*	£33.60
SCL550	0.5-5 mbar	230v 1(0.5)A	IP54 *requires SDK1 kit*	£33.60
930-85	2-10 mbar	250v 1.5(0.4)A	IP54 *requires SDK1 kit*	£32.00
SCL220/W	0.2-2 mbar	230v 1(0.5)A	IP65 *requires SDK1 kit*	£64.05
SCL330/W	0.3-3 mbar	250v 1.5(0.4)A	IP65 *requires SDK1 kit*	£68.25
930-85-W	2-10 mbar	250v 1.5(0.4)A	IP65 *requires SDK1 kit*	£68.25
AFS262	0.13-5 mbar	230v 10(2)A	IP30 metal *requires SDK2 kit*	£56.00
AFS222	0.5-30 mbar	230v 10(2)A	IP30 metal *requires SDK2 kit*	£56.00
AFS262/HT	0.13-5 mbar	230v 10(2)A	IP30 max 300°C c/w 2m copper tube & metal duct flanges	£107.00



SCL220

Accessories to Suit

SDK1	Fitting kit (2x spigots + 2m tubing) *to suit SCL...*	£5.50
SDK2	Fitting kit (2x spigots + 2m tubing) *to suit AFS...*	£6.60
30M-8/5	30m roll 8x5 mm PVC tubing	£56.10
CU1/4	¼" copper tube (sold per metre)	£5.50
SDA1	Plastic 80mm spigot *to suit 8x5 mm tubing*	£3.30
SDA2	Brass duct adaptor ¼" bsp *to suit ¼" bsp copper tube*	£12.10
TEE1	Plastic tee *to suit 5mm I.D. Tubing*	£3.30



37001

Liquid pressure switches

Description	Part No	Range	Electrical	Features	Retail Price
Static	37001	0-6 bar	230v 16(10)A	IP30, ¼" bsp, adj. diff	£52.50
Static	F1381-1	-1/+1 bar	230v 5(2)A	½" bspm, 0.05 bar diff	£189.20
Static	F1381-4	0.1-4 bar	230v 5(2)A	½" bspm, 0.1 bar diff	£189.20
Static	F1381-11	0.3-11 bar	230v 5(2)A	½" bspm, 0.3 bar diff	£189.20
Differential	SCL-DP2	0.1-2 bar	230v 5(2)A	¼" bspm	£82.00
Differential	FD113S	0.2-4 bar	230v 5(2)A	¼" bspf	£88.00
Differential	SCL250	40-250 mbar	230v 5(2)A	½" bspf	£144.00
Differential	SCL1000	0.007-1 bar	230v 5(2)A	½" bspf	£144.00
Differential	SCL4000	0.2-4 bar	230v 5(2)A	½" bspf	£144.00
Differential	H1382P-250	15-250 mbar	250v 10A	½" bspf	£194.00
Differential	H1382P-1	0.07-1 bar	250v 10A	½" bspf	£194.00
Differential	H1382P-4	0.2-4 bar	250v 10A	½" bspf	£194.00



SCL1000



WDPs...

Fitting Kits (comprising 2x switch fitting, 2m tubing, 2x male fittings for system)

WDPs-KIT1	¼" fitting kit *to suit SCL250/1000/4000 & H1382P*	£34.65
WDPs-KIT2	¼" fitting kit *to suit FD*	£34.65
WDPs-KIT3	¼" fitting kit *to suit SCL-DP2*	£34.65

Electrothermic Underfloor Actuators

Part No	Description	Retail Price
22CX230NA2	Normally open, 230v 2-wire	£91.50
22CX230NC2	Normally closed, 230v 2-wire	£91.50
22CX230NC4	Normally closed, 230v 4-wire	£105.50
22CX24NC2	Normally closed, 24v 2-wire	£91.45
22CX24NC4	Normally closed, 24v 4-wire	£104.75
11B06	24v, 2-wire	£72.25
O5E00	230v, 2-wire	£72.25
O1D00	230v, 4-wire	£81.40

Other options are available. Please contact the office for compatibility.



22CX...

Domestic Motorised Spring-return (NC) Valves

Part No	Type	Description	Retail Price
ZV22c	2-port zone	22mm compression, 230v KV 6.9 c/w aux microswitch	£84.35
ZV28c	2-port zone	28mm compression, 230v KV 8.6 c/w aux microswitch	£90.96
ZV1/2	2-port zone	½" bspf, 230v KV 3.0 c/w aux microswitch	£81.04
ZV3/4	2-port zone	¾" bspf, 230v KV 6.9 c/w aux microswitch	£86.00
ZV1	2-port zone	1" bspf, 230v KV 8.6 c/w aux microswitch	£92.61
ZVD22c	3-port divert	22mm compression, 230v KV 6.0	£89.30
ZVD28c	3-port divert	28mm compression, 230v KV 8.1	£97.58
ZVD1/2	3-port divert	½" bspf, 230v KV 3.0	£87.66
ZVD3/4	3-port divert	¾" bspf, 230v KV 6.0	£90.96
ZVD1	3-port divert	1" bspf, 230v KV 8.1	£97.58

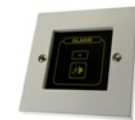
Other voltages, fittings and auxiliary switch options are available on request.



ZVD...

Knock-off Buttons and Electric Thermal Links

Part No	Description	Retail Price
KOB	Emergency knock-off button (plastic)	£35.70
MKOB	Emergency knock-off button (metal)	£54.60
KRKOB	Key-reset knock-off button	£54.60
SKOB	Shrouded knock-off button	£75.60
ETL	Electric thermal fuse link	£19.95



CAD-AP

Fireman Switches and Indication Units

Part No	Description	Dimensions (w/h/d)	Retail Price
FIRE-SW1	Fireman's switch - auto/off/extract only	180 x 180 x 100mm	£157.50
FIRE-SW2	Fireman's switch (flush mounting)- normal/off/extract	140 x 140 x 103mm	£157.50
FIRE-SW3	Fireman's switch (key operated) - normal/off/extract	87 x 87 x 40mm	£57.75
BB2	Surface mounting box *to suit FIRE-SW3*		£18.90
KEYGUARD	Keyguard *to suit FIRE-SW3*		£47.25
CAD-AP	Alarm panel (240v/ 24v/ 0-10v rising or falling for alarm)		£99.00

Bespoke fireman switches are available. Please contact the office for details.



FIRE-SW3

Duct Smoke Detection

Part No	Description	Retail Price
SL-2000N	Ionisation smoke detector	£273.00
SL-2000P	Photoelectric smoke detector	£273.00
FASTUBE PROBE	*to suit ionisation/ photoelectric*	£52.50



SL-2000P

Trace Heating/ Frost Protection Tape

Part No	Description	Retail Price
FTP15-2	Frost protection tape *requires thermostat*	POA
FT/KIT1	Termination Kit	POA
FSH/TP15	HWS maintenance 55°C (self-limiting)	POA
FX/TB	Junction box	POA
FX/PBY	Pipe bracket	POA
AD/SIL12	Glass cloth fixing tape	POA
FX/ET12	Warning label	POA



CHCO

Gas Detection

Part No	Description	Features	Retail Price
Duomo GS100M	1-channel gas detector (configurable)	IP44, range: 0-300ppm/ 20% LEL	£400.05
Duomo BX150K	1-channel gas detector (CO/ CH4/ LPG)	IP42, alarm: 300ppm/ 20% LEL	£369.60
Duomo GS300M	3-channel gas detector (configurable)	IP44, range: 0-20% LEL	£643.65
Duomo BX444MC	4-channel gas detector (configurable)	IP44, range: 0-20% LEL	£785.40
Duomo SGM595	Gas detector	IP55, alarm: 20% LEL	£185.85
Duomo CO100AR	Carbon monoxide (CO) sensor	IP55, alarm: 300ppm	£313.95
Duomo CHCO	Nat gas (CH4) & CO sensor	IP42, alarm: 0-300ppm/10% LEL	£192.15
Duomo TLD1-CO2-TT-MOD	CO ₂ space sensor, 3-colour backlight, Modbus	24v supply, 0/2-10v, 0-2000ppm	£341.25
Duomo CO2MC-R	CO ₂ space sensor for classrooms	IP30 230v, relay, 0-5000ppm	£363.30
Coster RFG651	1-channel detector (Nat gas/CO/Prop LPG)	IP40, adjustable alarm threshold	£342.10
Coster RFG361	1-channel gas detector (slimline)	IP40, adjustable alarm threshold	£253.00
Coster RFG652	2-channel gas detector	IP40, adjustable alarm threshold	£401.50
Coster RFG653	3-channel gas detector	IP40, adjustable alarm threshold	£401.50
Coster ACD316	Facia panel-mounting kit *to suit RFG361*	N/A	£41.80
Coster ACD644	Facia panel-mounting kit *to suit RFG6...series*	N/A	£69.30
Coster ACD615	Wall-mounting kit *to suit RFG6...series*	N/A	£72.60
Coster SRS150	Natural gas sensor *to suit RFG series*	N/A	£101.20
Coster SRS350	CO sensor *to suit RFG series*	N/A	£101.20



GS300M

Indicator Lamps

Part No	Description	Electrical	Retail Price
YAD17/22-240-R	Red LED, 22mm	240vAC	£5.00
YAD17/22-240-G	Green LED, 22mm	240vAC	£5.00



ACD644

Contactors

Part No	Description	Electrical & Power	Retail Price
CC1-D09/P5/NO	3x main contacts + 1x NO contact	230v 9A, 4KW	£28.60
CC1-D12/P5/NO	3x main contacts + 1x NO contact	230v 12A, 5.5KW	£30.80
CC1-D18/P5/NO	3x main contacts + 1x NO contact	230v 18A, 9KW	£36.30
CC1-D25/P5/NO	3x main contacts + 1x NO contact	230v 25A, 11KW	£41.80
Accessories to Suit			
CA1-DN22	2x NO, 2x NC auxiliary contacts	N/A	£6.60
CX1-D2-24	24v AC coil *to suit CC1-D09, -D12 & -D18*	24vAC	£6.60
CX1-D4-24	24v AC coil *to suit CC1-D25*	24vAC	£11.00



CC1-D09/P5/NO

Thermal Overload Relays

Part No	Direct On-line	Features	Retail Price
CR2-D1303	0.25 - 0.4A	Hand reset, c/w test, stop & reset buttons & trip indicator	£26.40
CR2-D1304	0.5 - 0.6A	Hand reset, c/w test, stop & reset buttons & trip indicator	£26.40
CR2-D1305	0.63 - 1A	Hand reset, c/w test, stop & reset buttons & trip indicator	£26.40
CR2-D1306	1 - 1.6A	Hand reset, c/w test, stop & reset buttons & trip indicator	£26.40
CR2-D1307	1.6 - 2.5A	Hand reset, c/w test, stop & reset buttons & trip indicator	£26.40
CR2-D1308	2.5 - 4A	Hand reset, c/w test, stop & reset buttons & trip indicator	£26.40
CR2-D1310	4 - 6A	Hand reset, c/w test, stop & reset buttons & trip indicator	£26.40
CR2-D1312	5.5 - 8A	Hand reset, c/w test, stop & reset buttons & trip indicator	£26.40
CR2-D1314	7 - 10A	Hand reset, c/w test, stop & reset buttons & trip indicator	£26.40
CR2-D1316	9 - 13A	Hand reset, c/w test, stop & reset buttons & trip indicator	£26.40
CR2-D1321	12 - 18A	Hand reset, c/w test, stop & reset buttons & trip indicator	£26.40
CR2-D1322	17 - 25A	Hand reset, c/w test, stop & reset buttons & trip indicator	£26.40



CR2-D1307

Industrial Time Switches & Timers

Part No	Description	Retail Price
TM6192	1-channel flush-mounted, 12- or 24-hr, 6 or 8 on/off per day	£87.15
TM6331	1-channel surface-mounted, 12- or 24-hr, 8 on/off per day	£88.20
TM848	1-channel din rail-mounted, 12- or 24-hr, 6 or 8 on/off per day	£71.40
Q555/2	4-pin, 24-hour, day omit (on), 20A SPST contact	£249.00
TC14	Digital countdown timer, 230v	£84.00
TM16	Din rail- mounted multi-function timer, 230v	£65.10
LP-711	7-day timeswitch (2 on/2off), 240v 2(1)A	£POA
LP-722	7-day heating & HWS programmer, 240v 2(1)A	£128.65
Accessories		
DIN350	Din rail mounting kit *to suit TM6331*	£12.60



TM6192

Brass Fittings

Uses include: adapting 15/22mm fan coil valves to copper pipe, converting "bsp" valves to copper pipe, etc.

Part No	Description	Retail Price
BBZ1004	15mm nut & olive (for 15mm fan coil valves etc)	£2.20
BBZ1006	22mm nut & olive (for 22mm fan coil valves etc)	£3.30
BBZ1100	½" flat face FI coupler for ½" "flat face" fan coil valves	£4.40
BBZ1103	¾" flat face FI coupler for ¾" "flat face" fan coil valves	£5.50
BBZ1050	15mm x ½" MI coupler	£4.40
BBZ1053	22mm x ¾" MI coupler	£5.50
BBZ1055	28mm x 1" MI coupler	£15.40
BBZ1056	35mm x 1¼" MI coupler	£19.80



35mm Coupler
& 15mm nut

Contact Optimiser/ Compensators

Part No	Description	Retail Price
KP SYX661-AQ2000	Honeywell AQ200, NTC10 sensors (includes HWS relay)	£1,513.00
KP SYX-CSC-V	Satchwell CSC (no time clock), NTC10 sensors	£1,513.00
KP SYX-CSC-V-T	Satchwell CSC (with time clock), NTC10 sensors	£1,513.00
KP SYX663	Backlit LCD screen, 230v supply, supports DC1400 T Type Sensors	£1,513.00
KP SYX664	Backlit LCD screen, 230v supply, supports DC1100 Sensors	£1,513.00
Accessories to Suit:		
KP SYX66X-HWS	Spare HWS interface relay	£20.00
KP SYX Small Bracket	Small mounting bracket - 180 x 120 (for new installations)	£87.00
KP SYX-DDC-LMB	Large mounting bracket - 240 x 180 (for retrofitting)	£93.00

Spartan Controls can supply a vast range of ancillary products to many different specifications, including "clone" sensors to replace obsolete units. Please contact the office for further details.



Gas Solenoids

Part No	Connection	VA Rating	Max. Pressure	Face-to-Face	Retail Price
ZEV15	½" bspf	15	360 mbar	72mm	£93.45
ZEV20	¾" bspf	22	360 mbar	86mm	£126.00
ZEV25	1" bspf	22	360 mbar	100mm	£202.65
ZEV32	1¼" bspf	42	360 mbar	150mm	£223.65
ZEV40	1½" bspf	42	360 mbar	150mm	£233.10
ZEV50	2" bspf	50	360 mbar	170mm	£278.25
ZEVF65	65mm flanged	72	360 mbar	310mm	£738.15
ZEVF80	80mm flanged	72	360 mbar	310mm	£729.95
ZEVF100	100mm flanged	175	360 mbar	350mm	£1,124.55
ZEVF125	125mm flanged	290	200 mbar	400mm	£2,022.30
ZEVF150	150mm flanged	290	200 mbar	480mm	£2,190.30
ZEVF200	200mm flanged	290	200 mbar	600mm	£3,954.30
CPI switches to suit					
CPI-20/25	To suit ¾" & 1" bspf				£59.85
CPI-32/40	To suit 1¼" & 1½" bspf				£59.85
CPI-50	To suit 2" bspf				£59.85
CPI-65F/80F	To suit 65mm & 80mm flanged				£59.85
CPI-100F	To suit 100mm flanged				£59.85
CPI-125/150/200	To suit 125mm, 150mm and 200mm flanged				£59.85

The above valves are supplied with 230v coils as standard. 24v options are available on request.



ZEV20



ZEVF80

Please also see Black Teknigas Section (page 19) for alternative gas solenoid valves.



Water Solenoid Valves

Part No	Size	KV	Min Pressure	Max Pressure	Features	Retail Price
23D	½"	3	0.1Bar	20 Bar	WRAS approved, -10/+90°C	£88.00
23E	¾"	8.4	0.1Bar	20 Bar	WRAS approved, -10/+90°C	£115.00
23F	1"	9.6	0.1Bar	20 Bar	WRAS approved, -10/+90°C	£142.00
23G	1¼"	25.2	0.1Bar	10 Bar	WRAS approved, -10/+90°C	£215.00
23H	1½"	30	0.1Bar	10 Bar	WRAS approved, -10/+90°C	£226.00
23I	2"	37.2	0.1Bar	10 Bar	WRAS approved, -10/+90°C	£280.00
Coils to suit						
C230	N/A	N/A	N/A	N/A	230v coil & din plug	£28.00
C24	N/A	N/A	N/A	N/A	24v coil & din plug	£28.00



23x & coil



Water Solenoid Valves (Normally closed)

Part No	Size	KVs	Max Pressure (AC)	Max Pressure (DC)	Features	Retail Price
032U2452	½"	4	0-10 Bar	0-6 Bar	WRAS approved, -30/+140°C	£157.94
032U2454	¾"	6	0-10 Bar	0-6 Bar	WRAS approved, -30/+140°C	£216.31
032U2456	1"	7	0-10 Bar	0-6 Bar	WRAS approved, -30/+140°C	£272.39
032U7132	1¼"	18	0.3-16 Bar		WRAS approved, -30/+120°C	£461.23
132U4003	1½"	24	0.3-16 Bar		WRAS approved, -30/+120°C	£618.89
132U5003	2"	40	0.3-16 Bar		WRAS approved, -30/+120°C	£706.16
Coils to suit						
018F6702	N/A	N/A	N/A	N/A	230v Coil	£59.52
018F6707	N/A	N/A	N/A	N/A	24v Coil	£59.52



032U5252 & coil

Sylax Butterfly Valves

Part No	Size	Type	Features	Retail Price
280-5100	50mm	Wafer (PN16)	WRAS approved	£248.33
280-5110	65mm	Wafer (PN16)	WRAS approved	£252.95
280-5120	80mm	Wafer (PN16)	WRAS approved	£286.44
280-5130	100mm	Wafer (PN16)	WRAS approved	£322.25



Sylax butterfly

Sylax butterfly valves can be fitted with a wide range of actuators, including spring-return options. Please contact the office for details.

Please see Belimo section (page 13) for alternative ½"-2" WRAS-approved ball valve options

Water Meters

C/w pulse output

Part No	Description	Size	Permanent Flow Rate (m ³ /h)	Retail Price
285-1000	GMDI Cold water (max 50°C)	½"	2.5	£137.48
285-1010	GMDI Cold water (max 50°C)	¾"	4	£145.51
285-1020	GMDI Cold water (max 50°C)	1"	6.3	£210.63
285-1030	GMDI Cold water (max 50°C)	1¼"	10	£223.28
285-1040	GMDI Cold water (max 50°C)	1½"	16	£353.63
285-1050	GMDI Cold water (max 50°C)	2"	25	£401.75
285-1070	WDEK50 Cold water (max 50°C)	65mm	63	£547.50
285-1080	WDEK50 Cold water (max 50°C)	80mm	100	£642.38
285-1090	WDEK50 Cold water (max 50°C)	100mm	160	£727.63
285-1100	WDEK50 Cold water (max 50°C)	125mm	160	£929.75
285-1110	WDEK50 Cold water (max 50°C)	150mm	250	£1,166.25
285-1120	WDEK50 Cold water (max 50°C)	200mm	400	£1,431.49
285-2000	GMDI Hot water (max. 90°C)	½"	2.5	£157.00
285-2010	GMDI Hot water (max. 90°C)	¾"	4	£173.50
285-2020	GMDI Hot water (max. 90°C)	1"	6.3	£236.75
285-2030	GMDI Hot water (max. 90°C)	1¼"	10	£258.75
285-2040	GMDI Hot water (max. 90°C)	1½"	16	£441.90
285-2050	GMDI Hot water (max. 90°C)	2"	25	£482.88
285-2070	WDEK50 Hot water (max. 90°C)	65mm	63	£631.38
285-2080	WDEK50 Hot water (max. 90°C)	80mm	100	£712.50
285-2090	WDEK50 Hot water (max. 90°C)	100mm	160	£844.50
285-2100	WDEK50 Hot water (max. 90°C)	125mm	160	£965.50
285-2110	WDEK50 Hot water (max. 90°C)	150mm	250	£1,317.50
285-2120	WDEK50 Hot water (max. 90°C)	200mm	400	£1,743.75

Other options are available, including Mbus output. Please contact the office for details.



GMDI



WDEK50

BELIMO Flow sensors with glycol compensation (externally threaded, for water and water/glycol mixtures)

Part No	DN	Max Flow Measurable (m ³ /h)	Installation Length (mm)	Features	Retail Price
22PF-1UC	¾"	1.8	110	24v, 0-10v, MP-bus, BACnet, Modbus, MS/TP	£POA
22PF-1UD	1"	3	130	24v, 0-10v, MP-bus, BACnet, Modbus, MS/TP	£POA
22PF-1UE	1¼"	4.2	135	24v, 0-10v, MP-bus, BACnet, Modbus, MS/TP	£POA
22PF-1UF	1½"	7.2	140	24v, 0-10v, MP-bus, BACnet, Modbus, MS/TP	£POA
22PF-1UG	2"	12	145	24v, 0-10v, MP-bus, BACnet, Modbus, MS/TP	£POA
22PF-1UH	2"	18	145	24v, 0-10v, MP-bus, BACnet, Modbus, MS/TP	£POA



EVO..R2+MID

BELIMO Belimo Energy Valve™ - MID approved

Part No	Size (RP)	QP (m ³ /h)	Features	Retail Price
EV015R2+MID	½"	1.5	MID-approved (15-120°C), 24v, 2-10v, MP-Bus/Modbus/BACnet	£1,039.00
EV020R2+MID	¾"	2.5	MID-approved (15-120°C), 24v, 2-10v, MP-Bus/Modbus/BACnet	£1,062.00
EV025R2+MID	1"	3.5	MID-approved (15-120°C), 24v, 2-10v, MP-Bus/Modbus/BACnet	£1,091.00
EV032R2+MID	1¼"	6	MID-approved (15-120°C), 24v, 2-10v, MP-Bus/Modbus/BACnet	£1,207.00
EV040R2+MID	1½"	10	MID-approved (15-120°C), 24v, 2-10v, MP-Bus/Modbus/BACnet	£1,337.00
EV050R2+MID	2"	15	MID-approved (15-120°C), 24v, 2-10v, MP-Bus/Modbus/BACnet	£1,553.00

Other non-MID options are available; please see page 15 or contact the office for further options.

BELIMO Thermal Energy Meters - MID approved (externally threaded, for water)

Part No	DN	QP (m ³ /h)	Features	Retail Price
22PEM-1UC	15	1.5	MID-approved, 24v or PoE, 2-10v, MP-Bus/Modbus/BACnet	£797.00
22PEM-1UD	20	2.5	MID-approved, 24v or PoE, 2-10v, MP-Bus/Modbus/BACnet	£893.00
22PEM-1UE	25	3.5	MID-approved, 24v or PoE, 2-10v, MP-Bus/Modbus/BACnet	£988.00
22PEM-1UF	32	6	MID-approved, 24v or PoE, 2-10v, MP-Bus/Modbus/BACnet	£1,084.00
22PEM-1UG	40	10	MID-approved, 24v or PoE, 2-10v, MP-Bus/Modbus/BACnet	£1,180.00
22PEM-1UH	50	15	MID-approved, 24v or PoE, 2-10v, MP-Bus/Modbus/BACnet	£1,282.00

Other non-MID options are available; please contact the office for further options.



22PEM-1U



Heat & Cool Meters Multical 403

Part No - Heat	Size	QP (m ³ /h)	Features	Retail Price
185-3000	½"	0.6	C/w M-Bus, 1.5m sensors, pockets, couplings, power supply	£472.75
185-3010	½"	1.5	C/w M-Bus, 1.5m sensors, pockets, couplings, power supply	£472.75
185-3020	¾"	1.5	C/w M-Bus, 1.5m sensors, pockets, couplings, power supply	£476.51
185-3030	¾"	2.5	C/w M-Bus, 1.5m sensors, pockets, couplings, power supply	£476.51
185-3040	1"	3.5	C/w M-Bus, 1.5m sensors, pockets, couplings, power supply	£630.34
185-3050	1"	6	C/w M-Bus, 1.5m sensors, pockets, couplings, power supply	£670.67
185-3060	1½"	10	C/w M-Bus, 1.5m sensors, pockets, couplings, power supply	£920.17
186-3070	50mm(FL)	15	C/w M-Bus 1.5m sensors, pockets & power supply	£1,278.49

Part No - Cool	Size	QP (m ³ /h)	Features	Retail Price
185-4000	½"	0.6	C/w M-Bus, 1.5m sensors, pockets, couplings, power supply	£484.01
185-4010	½"	1.5	C/w M-Bus, 1.5m sensors, pockets, couplings, power supply	£484.01
185-4020	¾"	1.5	C/w M-Bus, 1.5m sensors, pockets, couplings, power supply	£484.01
185-4030	¾"	2.5	C/w M-Bus, 1.5m sensors, pockets, couplings, power supply	£487.77
185-4040	1"	3.5	C/w M-Bus, 1.5m sensors, pockets, couplings, power supply	£630.34
185-4050	1"	6	C/w M-Bus, 1.5m sensors, pockets, couplings, power supply	£670.67
185-4060	1½"	10	C/w M-Bus, 1.5m sensors, pockets, couplings, power supply	£920.17
185-4070	50mm(FL)	15	C/w M-Bus 1.5m sensors, pockets & power supply	£1,278.49

Other options are available; please contact the office for details and a tailored quote.



Multical 403...



Heat & Cooling Meters Multical 603 (c/w Ultraflow body)

Part No - Heat	Size	QP (m ³ /h)	Features	Retail Price
185-5000	1½"	10	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£1,082.92
185-5010	50mm	15	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£1,430.92
185-5020	65mm	25	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£1,552.86
185-5030	80mm	40	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£1,771.42
185-5040	100mm	60	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£2,326.71
185-5050	100mm	100	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£2,655.95
185-5060	125mm	100	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£2,875.44
185-5070	150mm	150	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£4,293.23
185-5080	200mm	400	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£5,120.55
185-5090	200mm	600	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£6,791.12
185-5100	250mm	400	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£6,678.56
185-5110	250mm	600	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£8,324.75

Part No - Cool	Size	QP (m ³ /h)	Features	Retail Price
185-5990	1½"	10	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£1,136.39
185-6001	50mm	15	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£1,484.39
185-6010	65mm	25	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£1,606.33
185-6020	80mm	40	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£1,824.88
185-6030	100mm	60	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£2,380.18
185-6040	100mm	100	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£2,709.42
185-6050	125mm	100	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£2,928.91
185-6060	150mm	150	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£4,293.23
185-6070	200mm	400	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£5,120.55
185-6080	200mm	600	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£6,791.12
185-6085	250mm	400	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£8,324.75
185-6090	250mm	600	M-Bus output, 3m sensors, pockets, flat wall bracket, power supply	£8,324.75

Note: Options available for flow rate, output modules (including wireless, Bacnet, etc) and power supply. Certificates also available at additional cost. Please contact the office for details and a tailored quote.



Multical 603...



Ultraflow 54

Clamp-on Meters - Micronics

Part No	Description	Features	Retail Price
U1000-HM	Heat meter for pipes OD 25-225mm, 0-85°C	C/w 24v supply, 2x sensors, Modbus RTU	£POA
U3000	Water meter for 0.1m/s to 20m/s flow	C/w LED display	£POA
U4000	Water meter for 0.1m/s to 20m/s flow	C/w LED display, built-in data logger	£POA

Quotations on the above meters are tailored to individual needs. Please contact the office for more details.



U3000

Danfoss Sono.40 Energy Meters - Danfoss

Part no	Type	Size	QP (m ³ /h)	Features	Retail Price
145-5400	Heat	DN15	0.6	C/w battery, pulse/ MBUS, unions & adaptor	£POA
145-5410	Heat	DN15	1.5	C/w battery, pulse/ MBUS, unions & adaptor	£POA
145-5420	Heat	DN20	2.5	C/w battery, pulse/ MBUS, unions & adaptor	£POA
145-5430	Heat	DN25	3.5	C/w battery, pulse/ MBUS, unions & pockets	£POA
145-5445	Heat	DN25	6	C/w battery, pulse/ MBUS, unions & pockets	£POA
145-5450	Heat	DN40	10	C/w battery, pulse/ MBUS, unions & pockets	£POA
145-5460	Heat	DN50 (flanged)	15	C/w battery, pulse/ MBUS & brass pockets	£POA
145-5470	Heat	DN65 (flanged)	25	C/w battery, pulse/ MBUS & brass pockets	£POA
145-5480	Heat	DN80 (flanged)	40	C/w battery, pulse/ MBUS & brass pockets	£POA
145-5490	Heat	DN100 (flanged)	60	C/w battery, pulse/ MBUS & brass pockets	£POA
145-5000	Heat & Cool	DN15	0.6	C/w battery, pulse/ MBUS, unions & adaptor	£POA
145-5010	Heat & Cool	DN15	1.5	C/w battery, pulse/ MBUS, unions & adaptor	£POA
145-5020	Heat & Cool	DN20	2.5	C/w battery, pulse/ MBUS, unions & adaptor	£POA
145-5035	Heat & Cool	DN25	3.5	C/w battery, pulse/ MBUS, unions & pockets	£POA
145-5045	Heat & Cool	DN25	6	C/w battery, pulse/ MBUS, unions & pockets	£POA
145-5060	Heat & Cool	DN40	10	C/w battery, pulse/ MBUS, unions & pockets	£POA
145-5070	Heat & Cool	DN50 (flanged)	15	C/w battery, pulse/ MBUS & brass pockets	£POA
145-5080	Heat & Cool	DN65 (flanged)	25	C/w battery, pulse/ MBUS & brass pockets	£POA
145-5090	Heat & Cool	DN80 (flanged)	40	C/w battery, pulse/ MBUS & brass pockets	£POA
145-5100	Heat & Cool	DN100 (flanged)	60	C/w battery, pulse/ MBUS & brass pockets	£POA

Other power supply options and communication modules are available, including Modbus, BACnet and LoRa WAN. Up to three communications modules can be used in parallel. Please contact the office for a tailored quote or for further details.



Sono.40...

SIEMENS Domestic Heat and Cooling Energy Meters

Part No	Size	QP (m ³ /h)	Features	Retail Price
WSM506-BE	¾"	0.6	M-bus, battery powered, return-mounted, 110mm mounting length	£263.00
WSM515-BE	¾"	1.5	M-bus, battery powered, return-mounted, 110mm mounting length	£263.00
WSM525-BE	1"	2.5	M-bus, battery powered, return-mounted, 110mm mounting length	£263.00

Other options are available; please contact the office for details.



WSM506...

Gas Meters

Part No	Description	Size	QP (m ³ /h)	Features	Retail Price
UGP-G4P	Diaphragm	1"	4	C/w pulse output	£115.31
2UG-G6P	Diaphragm	1"	6	C/w pulse output	£158.63
UG-G10P	Diaphragm	1½"	10	C/w pulse output	£393.00
UG-G16P	Diaphragm	1½"	16	C/w pulse output	£492.75
CPT25-16	Turbine	1"	16	C/w pulse output	£1,264.95
CPT25-25	Turbine	1"	25	C/w pulse output	£1,264.95
CPT30-25	Turbine	1¼"	25	C/w pulse output	£1,264.95
CPT40-40	Turbine	1½"	40	C/w pulse output	£1,264.95
CPT40-65	Turbine	1½"	65	C/w pulse output	£1,264.95
CPT50-40	Turbine	2"	40	C/w pulse output	£1,264.95
CPT50-65	Turbine	2"	65	C/w pulse output	£1,264.95
CPT50F-40	Turbine	50mm (FL)	40	C/w pulse output	£1,128.33
CPT50F-65	Turbine	50mm (FL)	65	C/w pulse output	£1,128.33
CPT65F-65	Turbine	65mm (FL)	65	C/w pulse output	£1,264.95
CPT65F-100	Turbine	65mm (FL)	100	C/w pulse output	£1,264.95
CPT80F-100	Turbine	80mm (FL)	100	C/w pulse output	£1,279.80
CPT80F-160	Turbine	80mm (FL)	160	C/w pulse output	£1,279.80
CPT100F-160	Turbine	100mm (FL)	160	C/w pulse output	£1,437.21
CPT100F-250	Turbine	250mm (FL)	161	C/w pulse output	£1,437.21
CPT150F-400	Turbine	150mm (FL)	400	C/w pulse output	£2,026.35
CPT150F-650	Turbine	150mm (FL)	650	C/w pulse output	£2,026.35
CPT200F-650	Turbine	200mm (FL)	650	C/w pulse output	£3,921.21
CPT200F-1000	Turbine	200mm (FL)	1000	C/w pulse output	£3,921.21

Other options are available, including MID-approved meters. Please contact the office for details or for a tailored quote.



CPT...

Damper Actuators

Part No	Torque (Nm)	Voltage (v)	Features	Retail Price
LM24A	5	24	2- or 3-position	£108.00
LM24A-S	5	24	2- or 3-position c/w aux switch	£122.00
LM24A-SR	5	24	2-10v output	£145.00
LM230A	5	230	2- or 3-position	£108.00
LM230A-S	5	230	2- or 3-position c/w aux switch	£122.00
NM24A	10	24	2- or 3-position	£131.00
NM24A-S	10	24	2- or 3-position c/w aux switch	£158.00
NM24A-SR	10	24	2-10v output	£189.00
NM230A	10	230	2- or 3-position	£136.00
NM230A-S	10	230	2- or 3-position c/w aux switch	£162.00
SM24A	20	24	2- or 3-position	£152.00
SM24A-S	20	24	2- or 3-position c/w aux switch	£188.00
SM24A-SR	20	24	2-10v output	£214.00
SM230A	20	230	2- or 3-position	£155.00
SM230A-S	20	230	2- or 3-position c/w aux switch	£193.00
GM24A	30	24	2- or 3-position	£268.00
GM24A-SR	30	24	2-10v output	£320.00
GM230A	30	230	2- or 3-position	£272.00

Additional auxiliary switches are available to suit; please see accessories section on page 17.



LM24A-SR



SM230A

Failsafe Damper Actuators

Part No	Torque (Nm)	Voltage (v)	Features	Retail Price
LF24	4	24	2-position spring return	£167.00
LF24-S	4	24	2-position spring return c/w aux switch	£193.00
LF24-SR	4	24	2-10v output spring return	£227.00
LF230	4	230	2-position spring return	£182.00
LF230-S	4	230	2-position spring return c/w aux switch	£207.00
NF24A	10	24	2-position spring return	£214.00
NF24A-S2	10	24	2-position spring return c/w 2x aux switch	£242.00
NF24A-SR	10	24	2-10v output spring return	£254.00
NFA	10	24-240	2-position spring return	£253.00
NFA-S2	10	24-240	2-position spring return c/w 2x aux switch	£289.00
SF24A	20	24	2-position spring return	£261.00
SF24A-S2	20	24	2-position spring return c/w 2x aux switch	£289.00
SF24A-SR	20	24	2-10v output spring return	£302.00
SFA	20	24-240	2-position spring return	£300.00
SFA-S2	20	24-240	2-position spring return c/w 2x aux switch	£328.00
GK24A-1	40	24	2-position electrical failsafe	£539.00
GK24A-SR	40	24	2-10v output electrical failsafe	£602.00



SF24A-S2



GK24A-1

On/Off Ball Valves

Part No	Description	Size	KVS (m³/h)	Suitable Actuators	Retail Price
R2015-S1	2-port	½"	15	LR.../LRF...	£58.50
R2020-S2	2-port	¾"	32	LR.../LRF...	£65.00
R2025-S2	2-port	1"	26	LR.../LRF...	£80.30
R2032-S3	2-port	1¼"	32	NR.../NRF...	£119.00
R2040-S3	2-port	1½"	31	NR.../NRF...	£145.00
R2050-S4	2-port	2"	49	SR.../SRF...	£192.00
R3015-S1	3-port	½"	15	LR.../LRF...	£103.00
R3020-S2	3-port	¾"	32	LR.../LRF...	£115.00
R3025-S2	3-port	1"	26	LR.../LRF...	£144.00
R3032-S3	3-port	1¼"	32	NR.../NRF...	£210.00
R3040-S3	3-port	1½"	31	NR.../NRF...	£257.00
R3050-S4	3-port	2"	49	SR.../SRF...	£298.00

Continued overleaf...



R3015-S1



R2025-S2

Potable Water Ball Valves

Part No	Description	Size	KVS (m ³ /h)	Suitable Actuators	Retail Price
EXT-R215-B3-PW	2-port WRAS	½"	28	NR.../NRF...	£70.80
EXT-R220-B3-PW	2-port WRAS	¾"	42	NR.../NRF...	£78.40
EXT-R225-B3-PW	2-port WRAS	1"	70	NR.../NRF...	£98.20
EXT-R232-B4-PW	2-port WRAS	1¼"	80	SR.../SRF...	£163.00
EXT-R2040-B4-PW	2-port WRAS	1½"	125	SR.../SRF...	£198.00
EXT-R2050-B5-PW	2-port WRAS	2"	179	GR.../GRK...	£214.00



EXT-R225-B3-PW

Control Ball Valves

Part No	Description	Size	KVS (m ³ /h)	Suitable Actuators	Retail Price
R2015-P63-S1	2-port	½"	0.63	LR.../LRF...	£62.70
R2015-1-S1	2-port	½"	1	LR.../LRF...	£62.70
R2015-1P6-S1	2-port	½"	1.6	LR.../LRF...	£62.70
R2015-2P5-S1	2-port	½"	2.5	LR.../LRF...	£62.70
R2015-4-S1	2-port	½"	4	LR.../LRF...	£62.70
R2015-6P3-S1	2-port	½"	6.3	LR.../LRF...	£62.70
R2020-4-S2	2-port	¾"	4	LR.../LRF...	£72.10
R2020-6P3-S2	2-port	¾"	6.3	LR.../LRF...	£72.10
R2020-8P6-S2	2-port	¾"	8.6	LR.../LRF...	£72.10
R2025-6P3-S2	2-port	1"	6.3	LR.../LRF...	£87.40
R2025-10-S2	2-port	1"	10	LR.../LRF...	£87.40
R2025-16-S2	2-port	1"	16	LR.../LRF...	£87.40
R2032-16-S3	2-port	1¼"	16	NR.../NRF...	£127.00
R2040-16-S3	2-port	1½"	16	NR.../NRF...	£154.00
R2040-25-S3	2-port	1½"	25	NR.../NRF...	£154.00
R2050-25-S4	2-port	2"	25	SR.../SRF...	£201.00
R2050-40-S4	2-port	2"	40	SR.../SRF...	£201.00
R3015-P63-S1	3-port	½"	0.63	LR.../LRF...	£110.00
R3015-1-S1	3-port	½"	1	LR.../LRF...	£110.00
R3015-1P6-S1	3-port	½"	1.6	LR.../LRF...	£110.00
R3015-2P5-S1	3-port	½"	2.5	LR.../LRF...	£110.00
R3015-4-S1	3-port	½"	4	LR.../LRF...	£110.00
R3020-4-S2	3-port	¾"	4	LR.../LRF...	£122.00
R3020-6P3-S2	3-port	¾"	6.3	LR.../LRF...	£122.00
R3025-6P3-S2	3-port	1"	6.3	LR.../LRF...	£154.00
R3025-10-S2	3-port	1"	10	LR.../LRF...	£154.00
R3032-16-S3	3-port	1¼"	16	NR.../NRF...	£217.00
R3040-16-S3	3-port	1½"	16	NR.../NRF...	£268.00
R3040-25-S4	3-port	1½"	25	SR.../SRF...	£304.00
R3050-25-S4	3-port	2"	25	SR.../SRF...	£311.00
R3050-40-S4	3-port	2"	40	SR.../SRF...	£434.00
R3050-58-S4	3-port	2"	58	SR.../SRF...	£501.00



R2025-10-S2



R2050-25-S4



R3050-58-S4

Ball Valve Actuators

Part No	Torque (Nm)	Voltage (v)	Features	Retail Price
LR24A	5	24	2- or 3-position	£120.00
LR24A-S	5	24	2- or 3-position c/w aux switch	£133.00
LR24A-SR	5	24	2-10v output	£158.00
LR230A	5	230	2- or 3-position	£120.00
LR230A-S	5	230	2- or 3-position c/w aux switch	£133.00
NR24A	10	24	2- or 3-position	£151.00
NR24A-S	10	24	2- or 3-position c/w aux switch	£186.00
NR24A-SR	10	24	2-10v output	£213.00
NR230A	10	230	2- or 3-position	£151.00
NR230A-S	10	230	2- or 3-position c/w aux switch	£186.00
SR24A	20	24	2- or 3-position	£172.00
SR24A-S	20	24	2- or 3-position c/w aux switch	£207.00
SR24A-SR	20	24	2-10v output	£233.00
SR230A	20	230	2- or 3-position	£172.00
SR230A-S	20	230	2- or 3-position c/w aux switch	£207.00



NR230A



SR230A-S

Continued overleaf...

Ball & Control Valve Failsafe Actuators

Part No	Torque (Nm)	Voltage (v)	Features	Retail Price
LF24	4	24	2-position s-return *& LINKAGE: SEE NOTES*	£167.00
LF24-S	4	24	2-position s-return c/w aux *& LINKAGE: SEE NOTES*	£193.00
LF24-SR	4	24	2-10v output spring return *& LINKAGE: SEE NOTES*	£227.00
LF230	4	230	2-position spring return *&LINKAGE: SEE NOTES*	£182.00
LF230-S	4	230	2-position s-return c/w aux *& LINKAGE: SEE NOTES*	£207.00
NRF24A	10	24	2-position spring return	£268.00
NRF24A-S2	10	24	2-position spring return c/w 2x aux switches	£296.00
NRF24A-SR	10	24	2-10v output spring return	£288.00
NRFA	10	24-240	2-position spring return	£287.00
NRFA-S2	10	24-240	2-position spring return c/w 2x aux switches	£321.00
SRF24A	20	24	2-position spring return	£312.00
SRF24A-S2	20	24	2-position spring return c/w 2x aux switches	£352.00
SRF24A-SR	20	24	2-10v output spring return	£339.00
SRFA	20	24-240	2-position spring return	£332.00
SRFA-S2	20	24-240	2-position spring return c/w 2x aux switches	£377.00

Notes:

- 1) Above are all "spring close" (i.e. close on power fail). Please contact the office for "spring open" options.
- 2) "LF..." actuators require "WLF" linkages to fit ball and control valves - see page 17 for linkage price and details.



LRF24



SRF24A-SR

Small Pressure-Independent Characterised Control Valves

Part No	Description	Size	V nom (l/h)	Retail Price
C215QPT-B	2-port PICCV PN25 c/w test points	½"	210	£143.00
C215QPT-D	2-port PICCV PN25 c/w test points	½"	420	£143.00
C220QPT-F	2-port PICCV PN25 c/w test points	¾"	980	£171.00
C225QPT-G	2-port PICCV PN25 c/w test points	1"	2100	£230.00



C215QPT-B

Actuators to suit "C215..." PICC valves

Part No	Torque (Nm)	Voltage (v)	Features	Retail Price
CQ24A	1	24	2- or 3-position	£73.30
CQ24A-SR	1	24	2-10v output	£73.30
CQ230A	1	230	2- or 3-position	£82.90
CQK24A	1	24	2- or 3-position electrical failsafe (NC)	£114.00
CQK24A-SR	1	24	2-10v output electrical failsafe (NC)	£114.00

Electrical failsafe actuators are set to "normally closed". "Normally open" versions are available on request.



CQ24A

Electronic Pressure-Independent Characterised Control Valves

Part No	Description	Size	Vnom (l/s)	Retail Price
EP015R+MP	PN16, 2-10v output, M-bus comm., 24v actuator	½"	0.35	£453.00
EP020R+MP	PN16, 2-10v output, M-bus comm., 24v actuator	¾"	0.65	£475.00
EP025R+MP	PN16, 2-10v output, M-bus comm., 24v actuator	1"	1.15	£504.00
EP032R+MP	PN16, 2-10v output, M-bus comm., 24v actuator	1¼"	1.8	£548.00
EP040R+MP	PN16, 2-10v output, M-bus comm., 24v actuator	1½"	2.5	£652.00
EP050R+MP	PN16, 2-10v output, M-bus comm., 24v actuator	2"	4.8	£807.00
EP065F+MP	PN16, 2-10v output, M-bus comm., 24v actuator	DN65 (FL)	8	£2,698.00
EP080F+MP	PN16, 2-10v output, M-bus comm., 24v actuator	DN80 (FL)	11	£3,071.00
EP100F+MP	PN16, 2-10v output, M-bus comm., 24v actuator	DN100 (FL)	20	£3,603.00
EP125F+MP	PN16, 2-10v output, M-bus comm., 24v actuator	DN125 (FL)	31	£5,274.00
EP150F+MP	PN16, 2-10v output, M-bus comm., 24v actuator	DN150 (FL)	45	£6,523.00
EP015R+MOD	PN16, 2-10v output, BACnet/Modbus comm., 24v actuator	½"	0.35	£525.00
EP020R+MOD	PN16, 2-10v output, BACnet/Modbus comm., 24v actuator	¾"	0.65	£546.00
EP025R+MOD	PN16, 2-10v output, BACnet/Modbus comm., 24v actuator	1"	1.15	£576.00
EP032R+MOD	PN16, 2-10v output, BACnet/Modbus comm., 24v actuator	1¼"	1.8	£618.00
EP040R+MOD	PN16, 2-10v output, BACnet/Modbus comm., 24v actuator	1½"	2.5	£725.00
EP050R+MOD	PN16, 2-10v output, BACnet/Modbus comm., 24v actuator	2"	4.8	£888.00
EP065F+MOD	PN16, 2-10v output, BACnet/Modbus comm., 24v actuator	DN65 (FL)	8	£2,795.00
EP080F+MOD	PN16, 2-10v output, BACnet/Modbus comm., 24v actuator	DN80 (FL)	11	£3,178.00
EP100F+MOD	PN16, 2-10v output, BACnet/Modbus comm., 24v actuator	DN100 (FL)	20	£3,716.00
EP125F+MOD	PN16, 2-10v output, BACnet/Modbus comm., 24v actuator	DN125 (FL)	31	£5,408.00
EP150F+MOD	PN16, 2-10v output, BACnet/Modbus comm., 24v actuator	DN150 (FL)	45	£6,672.00



EP040R+MP



P6100W2000E-MP

Alternatives including failsafe versions are available. Please contact the office for details.

Belimo Energy Valve™

Part No	Size	V nom (l/s)	Features	Retail Price
EV015R2+BAC	½"	0.42	24v, 2-10v, MP-Bus, Modbus, BACnet	£945.00
EV020R2+BAC	¾"	0.69	24v, 2-10v, MP-Bus, Modbus, BACnet	£965.00
EV025R2+BAC	1"	0.97	24v, 2-10v, MP-Bus, Modbus, BACnet	£991.00
EV032R2+BAC	1¼"	1.67	24v, 2-10v, MP-Bus, Modbus, BACnet	£1,097.00
EV040R2+BAC	1½"	2.78	24v, 2-10v, MP-Bus, Modbus, BACnet	£1,215.00
EV050R2+BAC	2"	4.17	24v, 2-10v, MP-Bus, Modbus, BACnet	£1,412.00
EV065F+BAC	DN65	8	24v, 2-10v, MP-Bus, Modbus, BACnet	£3,265.00
EV080F+BAC	DN80	11	24v, 2-10v, MP-Bus, Modbus, BACnet	£3,708.00
EV100F+BAC	DN100	20	24v, 2-10v, MP-Bus, Modbus, BACnet	£4,302.00
EV125F+BAC	DN125	31	24v, 2-10v, MP-Bus, Modbus, BACnet	£5,585.00
EV150F+BAC	DN150	45	24v, 2-10v, MP-Bus, Modbus, BACnet	£6,846.00

Note: Other options are available; including failsafe and MID-approved meter units (see page 9). Please contact the office for further details.



EVO..R2+BAC

Linear Valves
(bsp supplied with connectors)

Part No	Description	Size	KVS (m³/h)	Connectors	Suitable Actuators	Retail Price
H414B	2-port PN16 (+5/120°C)	½"	2.5	2x ZH4515	LV.../NKV...	£159.02
H415B	2-port PN16 (+5/120°C)	½"	4	2x ZH4515	LV.../NKV...	£159.02
H420B	2-port PN16 (+5/120°C)	¾"	6.3	2x ZH4520	LV.../NKV...	£180.94
H425B	2-port PN16 (+5/120°C)	1"	10	2x ZH4525	LV.../NKV...	£210.74
H432B	2-port PN16 (+5/120°C)	1¼"	16	2x ZH4532	NV.../NVK...	£252.00
H440B	2-port PN16 (+5/120°C)	1½"	25	2x ZH4540	NV.../NVK...	£318.60
H450B	2-port PN16 (+5/120°C)	2"	40	2x ZH4550	NV.../NVK...	£416.20
H664N	2-port PN16 (+5/120°C)	DN65 (FL)	58	N/A	NV.../NVK...	£637.00
H665N	2-port PN16 (+5/120°C)	DN65 (FL)	63	N/A	EV...	£898.00
H679N	2-port PN16 (+5/120°C)	DN80 (FL)	90	N/A	NV.../NVK...	£841.00
H6100N	2-port PN16 (+5/120°C)	DN100 (FL)	145	N/A	EV...	£1,269.00
H6125S	2-port PN16 (+5/150°C)	DN125 (FL)	220	N/A	EV...	£2,138.00
H6150S	2-port PN16 (+5/150°C)	DN150 (FL)	320	N/A	EV	£2,664.00
H512B	3-port PN16 (+5/120°C)	½"	1	3x ZH4515	LV.../NVK...	£159.03
H515B	3-port PN16 (+5/120°C)	½"	4	3x ZH4515	LV.../NVK...	£159.03
H520B	3-port PN16 (+5/120°C)	¾"	6.3	3x ZH4520	LV.../NVK...	£183.91
H525B	3-port PN16 (+5/120°C)	1"	10	3x ZH4525	LV.../NVK...	£214.11
H532B	3-port PN16 (+5/120°C)	1¼"	16	3x ZH4532	NV.../NVK...	£257.00
H540B	3-port PN16 (+5/120°C)	1½"	25	3x ZH4540	NV.../NVK...	£321.90
H550B	3-port PN16 (+5/120°C)	2"	40	3x ZH4550	NV.../NVK...	£426.80
H764N	3-port PN16 (+5/120°C)	DN65 (FL)	58	N/A	NV.../NVK...	£590.00
H779N	3-port PN16 (+5/120°C)	DN80 (FL)	90	N/A	NV.../NVK...	£770.00
H7100N	3-port PN16 (+5/120°C)	DN100 (FL)	145	N/A	EV...	£1,210.00
H7125N	3-port PN16 (+5/120°C)	DN125 (FL)	220	N/A	EV...	£2,149.00
H7150N	3-port PN16 (+5/120°C)	DN150 (FL)	320	N/A	EV...	£2,592.00

Note: large globe valve units (DN200 & DN250) are listed on page 16.



H415B



H664N



H532B

Linear Valve Actuators

Part No	Thrust (N)	Voltage (v)	Stroke (mm)	Features	Retail Price
LV24A-TPC	500	24	15	2- or 3-position	£232.00
LV24A-SR-TPC	500	24	15	2-10v output	£245.00
LV230A-TPC	500	230	15	2- or 3-position	£232.00
NV24A-TPC	1000	24	20	2- or 3-position	£308.00
NV24A-SR-TPC	1000	24	20	2-10v output	£326.00
NV230A-TPC	1000	230	20	2- or 3-position	£308.00
NV24A-MP-TPC	1000	24	20	Parameterisable	£346.00
NVK24A-3-TPC	1000	24	20	3-position electrical failsafe	£499.00
NVK24A-SR-TPC	1000	24	20	2-10v output electrical failsafe	£522.00
EV24A-TPC	2500	24	40	2- or 3-position	£620.00
EV24A-SR-TPC	2500	24	40	2-10v output	£659.00

Note: Suitability of actuators is dependent upon closing pressure. Only the most common actuators are listed above. Other options, including higher thrust and retrofit actuators for non-Belimo globe valves, are available on request. Please contact the office for details.



EV24A-SR-TPC

Large Linear Valves c/w Actuators

Part No (valve)	Part No (actuator)	Description	Size	KVS (m ³ /h)	Retail Price
H6200W630-S7	GV12-24-SR-T	2-port PN16 2-10v 24v	DN200 (FL)	630	£12,504.00
H6250W1000-S7	GV12-24-SR-T	2-port PN16 2-10v 24v	DN250 (FL)	1000	£16,416.00
H7200W630-S7	GV12-24-SR-T	3-port PN16 2-10v 24v	DN200 (FL)	630	£14,553.00
H7250W1000-S7	GV12-24-SR-T	3-port PN16 2-10v 24v	DN250 (FL)	1000	£19,447.00

Please note that the above valves and actuators are supplied as a complete unit.

Alternate units with a 230v, 3-point control actuator are available. Please contact the office for details.



Butterfly Valves

Part No	Size	KVS (m ³ /h)	Features	Suitable Actuators	Retail Price
D640N	DN40	70	Wafer flange	SR...-5/ SRF...-5 *DIRECT MOUNTING*	£117.00
D650N	DN50	90	Wafer flange	SR...-5/ SRF...-5 *DIRECT MOUNTING*	£126.00
D650NL	DN50	90	Lugged flange	SR...-5/ SRF...-5 *DIRECT MOUNTING*	£152.00
D665N	DN65	180	Wafer flange	SR...-5/ SRF...-5 *DIRECT MOUNTING*	£145.00
D665NL	DN65	180	Lugged flange	SR...-5/ SRF...-5 *DIRECT MOUNTING*	£172.00
D680N	DN80	300	Wafer flange	GR...-5/ GRK...-5 *DIRECT MOUNTING*	£170.00
D680NL	DN80	300	Lugged flange	GR...-5/ GRK...-5 *DIRECT MOUNTING*	£200.00
D6100N	DN100	580	Wafer flange	DR...-5/ DRK...-5 *DIRECT MOUNTING*	£220.00
D6100NL	DN100	580	Lugged flange	DR...-5/ DRK...-5 *DIRECT MOUNTING*	£252.00
D6125N	DN125	820	Wafer flange	DR...-7/ DRK...-7 *DIRECT MOUNTING*	£249.00
D6125NL	DN125	820	Lugged flange	DR...-7/ DRK...-7 *DIRECT MOUNTING*	£290.00
D6150N	DN150	1600	Wafer flange	PRCA.../ PRKCA... *LINKAGE REQ'D*	£273.00
D6150NL	DN150	1600	Lugged flange	PRCA.../ PRKCA... *LINKAGE REQ'D*	£312.00
D6200W	DN200	2900	Wafer flange	PRCA.../ PRKCA... *LINKAGE REQ'D*	£559.00
D6200WL	DN200	2900	Lugged flange	PRCA.../ PRKCA... *LINKAGE REQ'D*	£614.00
D6250W	DN250	4400	Wafer flange	PRCA.../ PRKCA... *LINKAGE REQ'D*	£909.00
D6250WL	DN250	4400	Lugged flange	PRCA.../ PRKCA... *LINKAGE REQ'D*	£998.00



D665N



D6150NL

Butterfly Valve Actuators

Part No	Torque (Nm)	Voltage (v)	Features	Retail Price
SR24A-5	20	24	2- or 3- position	£226.00
SR24A-SR-5	20	24	2-10v output	£285.00
SR230A-5	20	230	2- or 3- position	£226.00
GR24A-5	40	24	2- position	£326.00
GR24A-SR-5	40	24	2-10v output	£395.00
GR230A-5	40	230	2- position	£326.00
DR24A-5	<90	24	2- position	£579.00
DR24A-7	<90	24	2- position	£587.00
DR24A-SR-7	<90	24	2-10v output	£694.00
DR230A-7	<90	230	2- position	£587.00
PRCA-S2-T	160	24-240vAC	2/3 position, 35s running time, 2x aux switch	£1,146.00
PRCA-BAC-S2-T	160	24-240vAC	2/3 position, BACNET, 35s running time, 2x aux switch	£1,399.00
PRKCA-BAC-S2-T	160	24-240vAC	2/3 position, electrical failsafe, BACNET, 2x aux switch	£2,215.00



PRKCA-BAC-S2-T

Linkage Kits to Suit

ZPR01	To fit PR... actuators to DN 125 - DN 300 butterfly valves	£100.00
ZPR03	To fit PR... actuators to DN 100 butterfly valves	£100.00

Note: Other options are available; please contact office for details.

Rotary Retrofit Actuators

Part No	Torque (Nm)	Voltage (v)	Features	Retail Price
HT24-3	10	24	3-position	£149.00
HT24-3-S	10	24	3-position, 1x aux switch	£169.00
HT24-SR	10	24	2-10v output	£214.00
HT230-3	10	230	3-position	£149.00
HT230-3-S	10	230	3-position, 1x aux switch	£169.00



HT24-3

Please see page 17 for details of compatible valves and required linkage kits.

Linear Retrofit Actuators

Part No	Thrust (N)	Stroke (mm)	Voltage (v)	Features	Retail Price
NV24A-RE	1000	20	24	2-/3-position	£393.00
NV24A-MP-RE	1000	20	24	2-10v output, adjustable parameter	£430.00
NVK24A-3-RE	1000	20	24	Failsafe, 3 position	£587.00
NVK24A-MP-RE	1000	20	24	Failsafe, 2-10v output, adjustable parameter	£639.00
NV230A-RE	1000	20	230	2-/3-position	£393.00
NVK230A-3-RE	1000	20	230	Failsafe, 3-position	£587.00
SVL24A-MP-RE	1500	50	24	2-10v output, adjustable parameter	£853.00
SVL230A-RE	1500	50	230	2-/3-position	£781.00
EV24A-RE	2500	50	24	2-/3-position	£834.00
EV24A-MP-RE	2500	50	24	2-10v output, adjustable parameter	£912.00
EV230A-RE	2500	50	230	2-/3-position	£834.00
RV24A-MF-RE	4500	50	24	2-10v output	£1,128.00

For details of retrofit actuator compatibility and any required linkage kits please contact the office.



EV24A-MP-TPC

Linkage Kits

Linkage Kit	Actuator	Valve	Retail Price
MS-NRE	HT...	Esbe 3G...	£12.76
MS-NRE6	HT...	Esbe VRG...	£13.64
MS-NRED	HT...	Danfoss HRE3 (from 2012)	£12.76
MS-NRS	HT...	Satchwell MNB/MBX	£20.00
MS-NRSF	HT...	Satchwell MBF (newer, metric threaded spindles only)	£32.20
MS-NRLX	HT...	Siemens VBG31.../ VBF... (to 50mm)/ VBI31...	£54.00
MKESD	SM...	Danfoss HFE	£97.46
MKESA	SM...	Esbe 3G & 3F	£97.46
ZMBFA	SM...	Satchwell MBF	£95.15
ZMBA	SM...	Satchwell MB/MBX (not flanged)	£95.15
WLF	LF...	All ball valves up to 1¼"	£42.90
KH8	General	Crank arm 6.2mm slot	£11.40
KG10A	General	Straight ball joint (10mm)	£12.30
KG8	General	90° angle ball joint (8mm)	£10.50
AV8-25	General	Spindle extension (250mm)	£37.40

Other linkages are available; please contact the office to discuss your requirements.



MS-NRE



MS-NRL

Actuator Accessories

Part No	Description	Retail Price
S1A	1x SPDT auxiliary switch Damper actuators (NM.../SM... etc.)	£44.60
S2A	2x SPDT auxiliary switch Damper actuators (NM.../SM... etc.)	£59.70
SNR2	1x SPDT auxiliary switch HT... (3-point, screw terminal only)	£24.50
P140A	140 ohm feedback potentiometer Damper actuators (NM.../SM... etc.)	£72.70
ZTH-EU	Programming/ servicing tool Parameterisable actuators/VAV controllers	£372.00



S2A

Positioners

Part No	Description	Use With	Retail Price
SGF24	0-100% positioner (panel)	...SR (2-10v)	£68.20
SGA24	0-100% positioner (surface)	...SR (2-10v)	£96.30
SGE24	0-100% positioner (din rail)	...SR (2-10v)	£96.30

Fan Coil & VAV Controls

Part No	Description	Retail Price
VRD3	Dynamic air volume control	£POA
NMV-D3-MP	Compact velocity controller/actuator	£POA
AFP160	Air velocity probe (153mm)	£POA
VU0A-SR-ZME3A	0-10v actuator/ linkage (VU04)	£POA
VU04-B10	4-port ½" valve KVS1.0	£POA
VU04-B16	4-port ½" valve KVS1.6	£POA
VU04-B25	4-port ½" valve KVS2.5	£POA
LM24A-V	Damper actuator for VAV controller, 5Nm, 24v	£POA
NM24A-V	Damper actuator for VAV controller, 10Nm, 24v	£POA



SGF24

Please see "actuator accessories" section above for ZTH-EU servicing tool.

Passive Temperature Sensors (10K3A1 Trend Compatible) & Switching Condensation Sensors

Part No	Sensor Type	Features	Retail Price
01UT-1L	Outdoor temp	Passive, IP65, -35/+50°C	£19.30
01DT-1LH	Duct/immersion temp	Passive, IP65, -50/+150°C, 50mm probe	£32.10
01DT-1LL	Duct/immersion temp	Passive, IP65, -50/+150°C, 100mm probe	£32.10
01DT-1LN	Duct/immersion temp	Passive, IP65, -50/+150°C, 150mm probe	£34.10
01DT-1LR	Duct/immersion temp	Passive, IP65, -50/+150°C, 300mm probe	£36.00
01DT-1LT	Duct/immersion temp	Passive, IP65, -50/+150°C, 450mm probe	£38.50
01ST-1L3	Strap-on temp	Passive, IP65, -35/+150°C, 2000mm cable	£13.90
01CT-1LH	Cable temp	Passive, -35/+100°C, 2000mm cable, 50mm probe	£11.90
22HH-10	Strap-on condensation	Switching, IP65, LED display	£110.00



01DT-1LH

Active Sensors

Part No	Sensor Type	Features	Retail Price
22DTH-11M	Duct temp & humidity	IP65, multirange, 140mm probe, 0-10v output	£182.00
22DTH-13M	Duct temp & humidity	IP65, multirange, 140mm probe, 4-20mA output	£182.00
22RTH-19-1	Room temp & humidity	IP30, 0/+50°C, 0-100% (RH) 0-10v output	£96.90
22DC-11	Duct CO ₂	IP65, 0-2000ppm, 180mm probe, 0-10v output	£262.00
22DC-13	Duct CO ₂	IP65, 0-2000ppm, 180mm probe, 4-20mA output	£271.00
22DTC-11	Duct CO ₂ & temp	IP65, 0/+50°C, 0-2000ppm, 180mm probe, 0-10v output	£329.00
22DTC-13	Duct CO ₂ & temp	IP65, 0/+50°C, 0-2000ppm, 180mm probe, 4-20mA output	£336.00
22RTM-19-1	Space CO ₂ , RH & temp	IP30, 0/+50°C, 0-2000ppm, 0-100% (RH), 0-10v output	£199.00
22ADP-18Q	Differential pressure - air	IP65, multirange (to 250Pa), 0-10v/4-20mA output	£146.00
22ADP-184	Differential pressure - air	IP65, multirange (to 2500 Pa), 0-10v/4-20mA output	£146.00
22ADP-186	Differential pressure - air	IP65, multirange (to 7000 Pa), 0-10v/4-20mA output	£146.00
22WP-114	Static pressure - water/refr	0-4 bar, 0-10v output	£129.00
22WP-115	Static pressure - water/refr	0-6 bar, 0-10v output	£129.00
22WP-116	Static pressure - water/refr	0-10 bar, 0-10v output	£129.00
22WP-117	Static pressure - water/refr	0-16 bar, 0-10v output	£129.00
22WP-134	Static pressure - water/refr	0-4 bar, 4-20mA output	£123.00
22WP-135	Static pressure - water/refr	0-6 bar, 4-20mA output	£123.00
22WP-136	Static pressure - water/refr	0-10 bar, 4-20mA output	£123.00
22WP-137	Static pressure - water/refr	0-16 bar, 4-20mA output	£123.00
22WDP-111	Diff. pressure - water	0-1 bar, 0-10v output	£399.00
22WDP-112	Diff. pressure - water	0-2.5 bar, 0-10v output	£399.00
22WDP-114	Diff. pressure - water	0-4 bar, 0-10v output	£399.00
22WDP-115	Diff. pressure - water	0-6 bar, 0-10v output	£399.00
22WDP-131	Diff. pressure - water	0-1 bar, 4-20mA output	£399.00
22WDP-132	Diff. pressure - water	0-2.5 bar, 4-20mA output	£399.00
22WDP-134	Diff. pressure - water	0-4 bar, 4-20mA output	£399.00
22WDP-135	Diff. pressure - water	0-6 bar, 4-20mA output	£399.00



22ADP-18Q



22WDP-135

Sensors with other ranges/ outputs are available; please contact the office for details.

Sensor Accessories

Part No	Description	Sensor Compatibility	Retail Price
A-22P-A06	Pocket - 50mm stainless steel, G½", SW27	01DT-...H/ 22DT-...H	£20.20
A-22P-A08	Pocket - 100mm stainless steel, G½", SW27	01DT-...L/ 22DT-...L	£22.30
A-22P-A10	Pocket - 150mm stainless steel, G½", SW27	01DT-...N/ 22DT-...N	£24.40
A-22P-A12	Pocket - 200mm stainless steel, G½", SW27	01DT-...P/ 22DT-...P	£26.30
A-22P-A14	Pocket - 300mm stainless steel, G½", SW27	01DT-...R/ 22DT-...R	£28.30
A-22P-A16	Pocket - 400mm stainless steel, G½", SW27	01DT-...T/ 22DT-...T	£30.80
A-22P-A18	Pocket - 50mm brass, G½", SW22	01DT-...H/ 22DT-...H	£9.95
A-22P-A20	Pocket - 100mm brass, G½", SW22	01DT-...L/ 22DT-...L	£10.40
A-22P-A22	Pocket - 150mm brass, G½", SW22	01DT-...N/ 22DT-...N	£11.60
A-22P-A24	Pocket - 200mm brass, G½", SW22	01DT-...P/ 22DT-...P	£12.70
A-22P-A26	Pocket - 300mm brass, G½", SW22	01DT-...R/ 22DT-...R	£14.40
A-22P-A28	Pocket - 450mm brass, G½", SW22	01DT-...T/ 22DT-...T	£16.40



A-22P-A26

2000 Series Gas Solenoid Valves

Part No	Size	Face-to-face	Max Pressure	Features	Retail Price
2005-230	¾"	126mm	360 mbar		POA
2006-230	1"	126mm	200 mbar		POA
2007-230	1¼"	167mm	200 mbar		POA
2008-230	1½"	167mm	200 mbar		POA
2009-230	2"	195mm	200 mbar		POA
2005-230-C	¾"	126mm	360 mbar	C/w closed position indication switch	POA
2006-230-C	1"	126mm	200 mbar	C/w closed position indication switch	POA
2007-230-C	1¼"	167mm	200 mbar	C/w closed position indication switch	POA
2008-230-C	1½"	167mm	200 mbar	C/w closed position indication switch	POA
2009-230-C	2"	195mm	200 mbar	C/w closed position indication switch	POA



2009-230

Above solenoid valves are all 230v. Please contact the office for details on alternative supplies.

Powerseat Gas Safety Shut-off Valves

For air, oil and non-corrosive gases (Inc. town, natural and LPG)

Part No	Size	Max Flow @2.5 mbar DP	Max. Pressure (Forward Mbar)	Retail Price
PE6683	1½"	67	1000	£1,405.18
PE6684	2"	80	1000	£1,405.18
PE6685	2½"	150	350	£1,555.87
PE6686	3"	165	350	£1,579.99
PE6685FL4	65mm (FL)	100	350	£2,187.26
PE6686FL4	80mm (FL)	100	350	£2,270.00
PE6687FL4	100mm (FL)	220	250	£2,510.61
PE6689FL4	150mm (FL)	510	500	£4,580.53
BC66810FL4	200mm (FL)	1200	250	£11,798.47
BC66811FL4	250mm (FL)	1430	250	£14,649.13



PE66...



PE66...FL4

Accessories & Spares

Part No	Description	To Suit	Retail Price
66RSR	Remote manual reset unit	All valves	£204.58
66RS-230	Manual reset unit 230v	668 series	£133.03
668S	230v head only	6683 & 6684	£1,309.87
668LS	230v head only	6685 & 6686 screwed	£1,323.47
668HS	230v head only	6685 & 6686 flanged	£1,351.70
6687S	230v head only	6687FL4	£1,584.63
6689S	230v head only	6689FL4	£2,499.23
66810S	230v head only	66810FL4	£5,872.93



668LS

Electrothermic Actuators

Part No	Supply	Features	Retail Price
22CX230NC2	230v	2-wire, normally closed c/w aux switch	£91.50
22CX230NC4	230v	4-wire, normally closed c/w aux switch	£105.50
22CX24NC2	24v	2-wire, normally closed c/w aux switch	£91.45
22CX24NC4	24v	4-wire, normally closed c/w aux switch	£104.75
22CX230NA2	230v	2-wire, normally open c/w aux switch	£91.50
22CX230NA4	230v	4-wire, normally open c/w aux switch	£POA
22CX24NA2	24v	2-wire, normally open c/w aux switch	£POA
22CX24NA4	24v	4-wire, normally open c/w aux switch	£POA

3-Port Linear Valves

Part No	Size	Kvs (m ³ /h)	Features	Retail Price
VMB3	¾" bspf	6.3	PN16, for water up to 120°C	£197.53
VMB4	1" bspf	10	PN16, for water up to 120°C	£213.99
VMB5	1¼" bspf	16	PN16, for water up to 120°C	£276.16
VMB6	1½" bspf	25	PN16, for water up to 120°C	£336.51
VMB8	2" bspf	40	PN16, for water up to 120°C	£415.17
VMB16-65	65mm (FL)	63	PN16, for water up to 120°C	£990.10
VMB16-80	80mm (FL)	100	PN16, for water up to 120°C	£1,114.05
VMB16-100	100mm (FL)	160	PN16, for water up to 120°C	£1,530.91
VMB16-125	125mm (FL)	250	PN16, for water up to 120°C	£2,591.76
VMB16-150	150mm (FL)	360	PN16, for water up to 120°C	£3,477.64
3FGB65	65mm (FL)	63	PN16, for water up to 150°C	£595.13
3FGB80	80mm (FL)	100	PN16, for water up to 150°C	£714.15
3FGB100	100mm (FL)	130	PN16, for water up to 150°C	£995.18
3FGB125	125mm (FL)	200	PN16, for water up to 150°C	£1,494.43
3FGB150	150mm (FL)	300	PN16, for water up to 150°C	£2,082.94



VMB4

Bronze Control Valves

Part No	Size	Kvs (m ³ /h)	Features	Actuator	Retail Price
2TBB15T	½" bspf	2.5	2-port, PN16, max media temp 120°C	MVC.03/R	£224.70
2TBB20T	¾" bspf	4	2-port, PN16, max media temp 120°C	MVC.03/R	£235.80
2TBB25T	1" bspf	8	2-port, PN16, max media temp 120°C	MVC.03/R	£288.60
2TBB32T	1¼" bspf	12	2-port, PN16, max media temp 120°C	MVC.03/R	£372.30
2TBB40T	1½" bspf	21	2-port, PN16, max media temp 120°C	MVC.03/R	£405.30
2TBB50T	2" bspf	33	2-port, PN16, max media temp 120°C	MVC.03/R	£541.80
3TBB15T	½" bspf	2	3-port, PN16, max media temp 120°C	MVC.03/R	£231.30
3TBB20T	¾" bspf	5	3-port, PN16, max media temp 120°C	MVC.03/R	£242.40
3TBB25T	1" bspf	10	3-port, PN16, max media temp 120°C	MVC.03/R	£306.30
3TBB32T	1¼" bspf	16	3-port, PN16, max media temp 120°C	MVC.03/R	£396.60
3TBB40T	1½" bspf	25	3-port, PN16, max media temp 120°C	MVC.03/R	£416.40
3TBB50T	2" bspf	38	3-port, PN16, max media temp 120°C	MVC.03/R	£557.40



VMB16-65

Controlli Actuators

Part No	Supply	Features	To suit...	Retail Price
MVT403S	24v	R/L (3 position), 300N	Controlli VMT, VTT	£122.54
MVT503S	24v	0-10v output, 300N	Controlli VMT, VTT	£272.92
MVB56	24v	0-10v output, 21mm stroke, 450N	Controlli VMB, VSB (to 50mm)	£561.47
MVB46	24v	R/L, 21mm stroke, 450N	Controlli VMB, VSB (to 50mm)	£433.45
MVB26	230v	R/L, 21mm stroke, 450N	Controlli VMB, VSB (to 50mm)	£468.20
MVE510	24v	0-10v, 5-60mm stroke, 1000N	Controlli 3FGB, VMB16 (w/ AG51)	£384.31
MVE510-52	24v	0-10v output, 1000N	Controlli VMB	£442.24
MVE510-65	24v	0-10v output, 1000N, IP65	Controlli VMB	£552.11
MVH56	24v	0-10v, 1500N	Controlli 3FGB, VMB16 (w/ AG51)	£808.32
MVH56FA	24v	Spring return (up), 700N	Please contact office	£894.50
MVH56FC	24v	Spring return (down), 700N	Please contact office	£894.50
MVE515-AG5162	24v	0-10v output, c/w linkage, 1500N	Please contact office	£848.54
MVC203	230v	R/L (3-pos), 16mm stroke, 300N	2/3TBB..T, S'well V/MZX (w/AG73)	£211.65
MVC403	24v	R/L (3-pos), 16mm stroke, 300N	2/3TBB..T, S'well V/MZX (w/AG73)	£250.65
MVC503	24v	0-10v output, 16mm stroke, 300N	2/3TBB..T, S'well V/MZX (w/AG73)	£284.06
MVC503R	24v	0-10v output, 16mm stroke, spring-return	2/3TBB..T, S'well V/MZX (w/AG73)	£327.56
MVE510-SAT2	24v	0-10v output, 1000N	Satchwell (confirm pre-order)	£535.48
MVE510R-SAT2	24v	0-10v output, 1000N, spring-return	Satchwell (confirm pre-order)	£624.75



MVB56



MVH56FC

Accessories:

D36	Auxiliary switch *to suit MVB*	£53.48
AG51	Linkage kit *to suit MVE/VMB16, MVH/VMB16*	£35.71
AG73	Linkage kit *to suit MVC/Sat*	£33.42

Other linkage kits are available to fit MVE/MVH actuators to a range of valves from other manufacturers. Please contact the office for details.

Fan Coil Valves & Actuators

Part No	Description	Size	KVS (m ³ /h)	Reference	Retail Price
VZL4/15/0.4	4-port, PN16	½" bspm (compression)	0.4	065Z206100	£35.88
VZL4/15/0.63	4-port, PN16	½" bspm (compression)	0.63	065Z206200	£35.88
VZL4/15/1.0	4-port, PN16	½" bspm (compression)	1	065Z206300	£35.88
VZL4/15/1.6	4-port, PN16	½" bspm (compression)	1.6	065Z206400	£35.88
VZL4/20/2.5	4-port, PN16	¾" bspm (compression)	2.5	065Z206500	£43.46
VZL4/20/3.5	4-port, PN16	¾" bspm (compression)	3.5	065Z206600	£43.46
Actuators to Suit					
AMV130-24	24v raise/lower, 200N, 5.5mm max stroke			082H803600	£61.72
AMV130-230	230v raise/lower			082H803700	£61.72
AME130-24	24v 0-10v output, 200N, 5.5mm max stroke			082H804400	£138.85

Alternatives are available, including 2-port valves and thermic actuators. Please contact the office for details.



VZL4...

Linear Valves

Part No	Description	Size	KVS (m ³ /h)	Suitable Actuators	Reference	Retail Price
VRB2/15/4.0	2-port, PN16	½" bspf	4	AM...435/ AM...438	065Z023500	£101.38
VRB2/20/6.3	2-port, PN16	¾" bspf	6.3	AM...435/ AM...438	065Z023600	£117.88
VRB2/25/10	2-port, PN16	1" bspf	10	AM...435/ AM...438	065Z023700	£124.74
VRB2/32/16	2-port, PN16	1¼" bspf	16	AM...435/ AM...438	065Z023800	£155.06
VRB2/40/25	2-port, PN16	1½" bspf	25	AM...435/ AM...438	065Z023900	£187.07
VRB2/50/40	2-port, PN16	2" bspf	40	AM...435/ AM...438	065Z024000	£269.39
VRB3/15/0.63	3-port, PN16	½" bspf	0.63	AM...435/ AM...438	065Z021100	£101.38
VRB3/15/1.0	3-port, PN16	½" bspf	1	AM...435/ AM...438	065Z021200	£101.38
VRB3/15/1.6	3-port, PN16	½" bspf	1.6	AM...435/ AM...438	065Z021300	£101.38
VRB3/15/2.5	3-port, PN16	½" bspf	2.5	AM...435/ AM...438	065Z021400	£101.38
VRB3/15/4.0	3-port, PN16	½" bspf	4	AM...435/ AM...438	065Z021500	£101.38
VRB3/20/6.3	3-port, PN16	¾" bspf	6.3	AM...435/ AM...438	065Z021600	£117.87
VRB3/25/10	3-port, PN16	1" bspf	10	AM...435/ AM...438	065Z021700	£124.74
VRB3/32/16	3-port, PN16	1¼" bspf	16	AM...435/ AM...438	065Z021800	£155.06
VRB3/40/25	3-port, PN16	1½" bspf	25	AM...435/ AM...438	065Z021900	£187.07
VRB3/50/40	3-port, PN16	2" bspf	40	AM...435/ AM...438	065Z022000	£269.39
VF3/65/63	3-port, PN16	65mm (FL)	63	AM...435	065Z026100	£891.00
VF3/80/100	3-port, PN16	80mm (FL)	100	AM...435	065Z026200	£1,009.85
VF3/100/145	3-port, PN16	100mm (FL)	145	AM...55	065B168500	£907.99
VF3/125/220	3-port, PN16	125mm (FL)	220	AM...55/ AM...85	065B312500	£1,502.07
VF3/150/320	3-port, PN16	150mm (FL)	320	AM...55/ AM...85	065B315000	£2,021.54



AMV130-24



VRB3...



VF3...

Actuators for Linear Valves

Part No	Thrust (N)	Stroke (mm)	Supply	Features	Reference	Retail Price
AMV435-24	400	20	24v	3-position	082H016200	£196.50
AMV435-230	400	20	230v	3-position	082H016300	£196.50
AME435	400	20	24v	0-10v output	082H016100	£235.87
AMV438-24	450	15	24v	3-position, "Spring Up"	082H012200	£415.33
AMV438-230	450	15	230v	3-position, "Spring Up"	082H012300	£415.33
AME438	450	15	24v	0-10v output, "Spring Up"	082H012100	£509.72
AMV55-24	2000	40	24v	3-position	082H302000	£406.78
AMV55-230	2000	40	230v	3-position	082H302100	£406.78
AME55-24	2000	40	24v	0-10v output	082H302200	£510.82
AMV85-24	5000	40	24v	3-position	082G145000	£1,040.57
AMV85-230	5000	40	230v	3-position	082G145100	£1,040.57
AME85-24	5000	40	24v	0-10v output	082G145200	£1,191.94



AME85-24

3-Port Rotary Valves (Iron)

Part No	Description	Size	KVS (m ³ /h)	Suitable Actuators	Reference	Retail Price
HRE3/20/6.3	3-port, PN6	¾" bspf	6.3	Belimo HT & MS-NRED (pM5,M6)	065Z041800	£128.25
HRE3/25/10	3-port, PN6	1" bspf	10	Belimo HT & MS-NRED (pM5,M6)	065Z041900	£138.83
HRE3/32/16	3-port, PN6	1¼" bspf	16	Belimo HT & MS-NRED (pM5,M6)	065Z042000	£144.14
HRE3/40/25	3-port, PN6	1½" bspf	25	Belimo HT & MS-NRED (pM5,M6)	065Z042100	£245.20
HRE3/50/40	3-port, PN6	2" bspf	40	Belimo HT & MS-NRED (pM5,M6)	065Z042200	£293.63
HFE3-50	3-port, PN6	50mm (FL)	60	Belimo SM & MKESD (pM1, M6)	065Z043200	£402.70
HFE3-65	3-port, PN6	65mm (FL)	90	Belimo SM & MKESD (pM1, M6)	065Z043300	£419.28
HFE3-80	3-port, PN6	80mm (FL)	150	Belimo SM & MKESD (pM1, M6)	065Z043400	£599.35
HFE3-100	3-port, PN6	100mm (FL)	225	Belimo SM & MKESD (pM1, M6)	065Z043500	£649.32
HFE3-125	3-port, PN6	125mm (FL)	280	Belimo SM & MKESD (pM1, M6)	065Z043600	£825.09
HFE3-150	3-port, PN6	150mm (FL)	400	Belimo SM & MKESD (pM1, M6)	065Z043700	£1,094.56



HRE3...

Alternatives are available; please contact office for details.

Pressure-Independent Balancing and Control Valves (all complete with measuring points)

Part No	Size	Min Flow (l/h)	Max Flow (l/h)	Reference	Retail Price
ABQM10LF	DN10 (see below for unions)	30	150	003Z126100	£88.93
ABQM10	DN10 (see below for unions)	55	275	003Z121100	£93.38
ABQM15LF	DN15 (see below for unions)	55	275	003Z126200	£96.01
ABQM15	DN15 (see below for unions)	90	450	003Z121200	£100.49
ABQM20	DN20 (see below for unions)	180	900	003Z121300	£124.12
ABQM20HF	DN20 (see below for unions)	340	1,700	003Z122300	£111.08
ABQM25	DN25 (see below for unions)	340	1,700	003Z121400	£134.93
ABQM25HF	DN25 (see below for unions)	540	2,700	003Z122400	£157.47
ABQM32	DN32 (see below for unions)	640	3,200	003Z121500	£209.05
ABQM32HF	DN32 (see below for unions)	800	4,000	003Z122500	£231.50
ABQM40	DN40 (see below for unions)	3,000	7,500	003Z077000	£410.43
ABQM50	DN50 (see below for unions)	5,000	12,500	003Z077100	£461.65
ABQM65	DN65 (FLANGED) PN16	8,000	20,000	003Z077300	£1,049.20
ABQM65HF	DN65 (FLANGED) PN16	10,000	25,000	003Z079300	£1,070.18
ABQM80	DN80 (FLANGED) PN16	11,200	28,000	003Z077400	£1,194.72
ABQM80HF	DN80 (FLANGED) PN16	16,000	40,000	003Z079400	£1,433.67
ABQM100	DN100 (FLANGED) PN16	15,200	38,000	003Z077500	£1,645.45
ABQM100HF	DN100 (FLANGED) PN16	23,600	59,000	003Z079500	£1,974.54
ABQM125	DN125 (FLANGED) PN16	36,000	90,000	003Z070500	£3,749.00
ABQM125HF	DN125 (FLANGED) PN16	44,000	110,000	003Z071500	£4,686.24
ABQM150	DN150 (FLANGED) PN16	58,000	145,000	003Z070600	£4,633.74
ABQM150HF	DN150 (FLANGED) PN16	76,000	190,000	003Z071600	£5,792.18
ABQM200	DN200 (FLANGED) PN16	76,000	190,000	003Z070700	£7,268.77
ABQM200HF	DN200 (FLANGED) PN16	100,000	250,000	003Z071700	£8,984.22
ABQM250	DN250 (FLANGED) PN16	112,000	280,000	003Z070800	£9,329.22
ABQM250HF	DN250 (FLANGED) PN16	148,000	370,000	003Z071800	£11,195.07



ABQM...



ABQM...HF



ABQM union

Unions to Suit (2x needed for screwed ABQMs up to DN50)

003Z023100	1x union to convert DN10 to 3/8" bspf	£1.97
003Z023200	1x union to convert DN15 to 1/2" bspf	£2.40
003Z023300	1x union to convert DN20 to 3/4" bspf	£3.38
003Z023400	1x union to convert DN25 to 1" bspf	£5.69
003Z023500	1x union to convert DN32 to 1 1/4" bspf	£8.76
003Z027900	1x union to convert DN40 to 1 1/2" bspf	£17.81
003Z027800	1x union to convert DN50 to 2" bspf	£20.81

****NEW ABQM 4.0 PICVs are now available; please contact the office for a quote****

Pressure-Independent H-Module for Fan Coil Units

Part No	Size	Min Flow (l/h)	Max Flow (l/h)	Features	Reference	Retail Price
HERO DN15	DN15	90	450	C/w test points, measuring points	146B5928	POA
HERO DN20	DN20	180	900	Extended handle	146B5929	POA
HERO DN25	DN25	340	1,700		146B5930	POA
HERO DN32	DN32	640	3,200	Extended handle	146B2683	POA
HERO DN40	DN40	3,000	7,500		146B2684	POA
HERO DN50	DN50	5,000	12,500	Extended handle	146B2685	POA
HERO DN65	DN65	8,000	20,000		146B2686	POA
HERO DN80	DN80	11,200	28,000	Extended handle	146B5931	POA



HERO...

Actuators for Pressure-Independent Balancing and Control Valves

Part No	Thrust	Stroke	Supply	Features	To suit...	Reference	Retail Price
AMV110NL	130N	5mm	24v	3-position	ABQM/HERO DN10-32	082H805600	£66.82
AME110NL	130N	5mm	24v	0-10v output	ABQM/HERO DN10-32	082H805700	£108.61
NOVOCON-S	90N	7mm	24v	0-10v output	ABQM/HERO DN10-32	003Z8504	£245.70
NOVOCON-M	550N	20mm	24v	0-10v output	ABQM DN40-100	003Z8540	£782.30
NOVOCON-L	2000N	50mm	24v	0-10v output	ABQM DN125-150	003Z8560	£1,966.36
NOVOCON-XL	4000N	80mm	24v	0-10v output	ABQM DN200-250	003Z8563	£2,873.76
AME435QM	400N	20mm	24v	0-10v output	ABQM DN40-100	082H017100	£239.30
AME55QM	2000N	40mm	24v	0-10v output	ABQM DN125-150	082H307800	£485.06
AME85QM	5000N	40mm	24v	0-10v output	ABQM DN200-250	082G145300	1015.23



AMV110NL

Thermostats & Humidistats

Part No	Description	Range	Features	Retail Price
EC-2	Capillary thermostat	-20/+40°C	IP43, 2m	£95.73
EC-3D	Capillary thermostat	-15/+45°C	IP43, rigid stem	£137.85
EFP-1	Capillary thermostat	-15/+15°C	IP43, 6m	£57.73
EFP-2	Capillary thermostat	-15/+15°C	IP43, 6m, manual reset	£58.52
EBS-1	Immersion thermostat	0/+35°C (control)	IP43, auto reset	£137.37
EBS-2	Immersion thermostat	0/+80°C (control)	IP43, auto reset	£151.52
EBS-3	Immersion thermostat	+35/+95°C (control)	IP43, auto reset	£146.25
EBS-4	Immersion thermostat	+50/+130°C (control)	IP43, auto reset	£132.92
EBS-7	Immersion thermostat	+30/+65°C (limit)	IP43, manual reset	£190.53
EBS-8	Immersion thermostat	+60/+95°C (limit)	IP43, manual reset	£195.61
EHR-1	Space humidistat	30/100%	IP30, concealed adjust.	£113.69
EHD-1	Duct humidistat	30/100%	IP54, concealed adjust.	£190.23



EC...D



EBD...

Miscellaneous Switches & Sensors

Part No	Description	Range	Features	Retail Price
EAA-1	Duct airflow switch (c/w paddle)	Max flow: 15m/s	IP54, max. media: 80°C	£127.39
ELF-1C	Water flow switch (c/w paddles)	Max pressure: 12bar	IP65, temp: +4/+110°C	£96.99
EDA-22	Air differential pressure switch	0.2/3 mbar	IP54 *Fitting kit as below*	£48.64
EDA-33	Air differential pressure switch	0.5/5 mbar	IP54 *Fitting kit as below*	£48.64
EDA-44	Air differential pressure switch	1/10 mbar	IP54 *Fitting kit as below*	£48.64
EE-D2	Fitting kit *to suit EDA...*	N/A	2x spigots & 2m tube	£2.75
EFS-02	Air differential pressure switch	0.13/30 mbar	IP30, max. media: 80°C	£98.73
EFS-02HT	Air differential pressure switch	0.13/30 mbar	IP30, max. Media: 300 °C	£167.83
EP-113	Water differential pressure switch	0.2-4 bar	IP40, max media: 80°C	£POA
EP-100	Water differential pressure switch	15-250 mbar	IP65, max media: 80°C	£251.81
ELL-01	Horizontal float switch	N/A	IP54, max media 90°C	£166.03



EDA-22



EP-113

Heating Compensator Controller

Part No	Description	Features	Retail Price
E15-PCOM1	Compensator for heating	0-10v output *REQUIRES OUTSIDE & FLOW SENSORS*	£223.13
E10-X	Outside air temp sensor	*To suit E14-PCOM1*	£31.59
E10-S	Clamp-on pipe temp sensor	*To suit E14-PCOM1*	£42.36
E10-I	Immersion pipe temp sensor	*To suit E14-PCOM1*	£35.09
EE-STK	Stainless steel pocket	*To suit E10-I*	£40.08



E13-PCOM1

Actuators

Part No	Description	Torque (Nm)	Supply	Retail Price
E08-230	2/3 position damper actuator	8	230v	£199.70
E08-24	2/3 position damper actuator	8	24v	£185.00
E08-24M	0-10v modulating damper actuator	8	24v	£291.45
E16-230	2/3 position damper actuator	16	230v	£234.72
E16-24	2/3 position damper actuator	16	24v	£209.95
E16-24M	0-10v modulating damper actuator	16	24v	£295.04



E08...

Spartan Controls can supply the full range of Electro Controls products. Please contact the office with requirements for any item not listed above.

ESBE 3-Port Rotary Shoe Valves

Part No	Size	Kvs (m ³ /h)	Features	Retail Price
VRG131-20	¾" bspf	6.3	PN10, water -10/+110°C	£118.61
VRG131-25	1" bspf	10	PN10, water -10/+110°C	£126.18
VRG131-32	1¼" bspf	16	PN10, water -10/+110°C	£131.37
VRG131-40	1½" bspf	25	PN10, water -10/+110°C	£221.09
VRG131-50	2" bspf	40	PN10, water -10/+110°C	£266.58
3F50	50mm (FL)	66	PN6, water -10/+110°C	£494.68
3F65	65mm (FL)	100	PN6, water -10/+110°C	£556.18
3F80	80mm (FL)	150	PN6, water -10/+110°C	£755.40
3F100	100mm (FL)	225	PN6, water -10/+110°C	£1,009.37
3F125	125mm (FL)	310	PN6, water -10/+110°C	£1,286.13
3F150	150mm (FL)	420	PN6, water -10/+110°C	£1,791.16



VRG131-25



3F...

ESBE4-Port Rotary Shoe Valves

Part No	Size	Kvs (m ³ /h)	Features	Retail Price
4F40	40mm (FL)	44	PN6, water -10/+110°C	£596.25
4F50	50mm (FL)	60	PN6, water -10/+110°C	£769.56
4F65	65mm (FL)	90	PN6, water -10/+110°C	£850.65
4F80	80mm (FL)	150	PN6, water -10/+110°C	£1,036.68
4F100	100mm (FL)	225	PN6, water -10/+110°C	£1,426.23



4F...

ESBE Actuators

Part No	Supply	Features	Torque (Nm)	To fit	Retail Price
ARA656	230v	2-point c/w aux switch	6	VRG131 (to 2")	£447.12
ARA664	24v	3-point c/w aux switch	6	VRG131 (to 2")	£265.68
ARA652	230v	3-point c/w aux switch	6	VRG131 (to 2")	£245.70
ARA659	24v	0-10v	6	VRG131 (to 2")	£331.69



ARA659

Other actuators for ESBE valves:

VRG131... Belimo HT series (page 5) with MS-NRE6 linkage kit (page 17).
 3/4F series... Belimo SM...A (page 1) with MKESA linkage kit (page 17).

Only the most common products are listed below. Please contact the office for details of the full range.

Temperature Control & Thermostats

Part No	Description	Features	Retail Price
T6360B1028	Room thermostat	+10/+30°C, 240v, 10A	£39.65
T4360A1009	Frost thermostat	+3/+22°C, 240v, 10A	£47.47
L641A1039	Cylinder thermostat	+40/+80°C, SPDT	£46.96
ST9100A1008	Electronic Heating/ HWS Programmer	24h, 3A	£POA
ST9400C1000	Electronic Heating/ HWS Programmer	7-day, 3A	£166.67



T6360B1028

Motorised Domestic Valves

Part No	Description	Size	KVS (m³/h)	Features	Retail Price
V4043H1056/U	2-port zone	22mm compr.	6.9	230v, spring return (NC), aux. switch	£150.30
V4043H1106/U	2-port zone	28mm compr.	8.6	230v, spring return (NC), aux. switch	£208.06
V4043C1156/U	2-port zone	½" bspf	3.0	230v, spring return (NC)	£184.30
V4043H1007/U	2-port zone	¾" bspf	3.0	230v, spring return (NC), aux. switch	£177.75
V4043H1080/U	2-port zone	1" bspf	8.6	230v, spring return (NC), aux. switch	£221.12
V4044C1288/U	3-port divert	22mm compr.	6.0	230v, spring return (NC)	£202.21
V4044C1569/U	3-port divert	28mm compr.	8.1	230v, spring return (NC)	£216.50
V4044C1098/U	3-port divert	¾" bspf	6.0	230v, spring return (NC)	£220.37
V4044C1494/U	3-port divert	1" bspf	8.1	230v, spring return (NC)	£215.32
V4073A1039/U	3-port mid pos'n	22mm compr.	6.0	230v, spring return (NC)	£213.32
V4073A1088/U	3-port mid pos'n	28mm compr.	8.1	230v, spring return (NC)	£265.00
V4073A1062/U	3-port mid pos'n	1" bspf	8.1	230v, spring return (NC)	£280.71



ST9400C1000



V4043...

3-Port Rotary Valves & Actuators

Part No	Description	Size	KVS (m³/h)	Retail Price
V5433A1031	3-port	¾" bspf	6.3	£90.99
V5433A1049	3-port	1" bspf	10	£107.13
V5433A1056	3-port	1¼" bspf	16	£114.07
V5433A1064	3-port	1½" bspf	25	£145.52
V5433A1072	3-port	2" bspf	40	£188.32



V4073...

Actuators to suit

M6063L1009	230v 3-position, 7Nm	£208.44
M6063L4003	230v 3-position, 7Nm c/w aux switch	£296.85
M6063A1003	24v 3-position, 7Nm	£208.44
M6063A4007	24v 3-position, 7Nm c/w aux switch	£258.91



V5822A1055

Linear Unit Valves & Actuators

Part No	Description	Size	KVS (m³/h)	Retail Price
V5822A1022	2-port unit	15mm compression	0.4	£50.90
V5822A1030	2-port unit	15mm compression	0.63	£50.90
V5822A1048	2-port unit	15mm compression	1.0	£47.66
V5822A1055	2-port unit	15mm compression	1.6	£47.66
V5822A1063	2-port unit	22mm compression	2.5	£63.87
V5822A1071	2-port unit	22mm compression	4.0	£59.79
V5823C2017	4-port unit	15mm compression	0.4	£77.86
V5823C2025	4-port unit	15mm compression	0.63	£62.62
V5823C2033	4-port unit	15mm compression	1.0	£61.70
V5823C2041	4-port unit	15mm compression	1.6	£60.81
V5823C2157	4-port unit	22mm compression	2.5	£93.10
V5823C2165	4-port unit	22mm compression	4.0	£99.41



V5823C2165

Actuators to suit

M7410C1007	180N, 6.5mm stroke, 24v raise/lower	£105.86
M7410E1002	180N, 6.5mm stroke, 24v 0-10v output	£172.04
M7410E2026	180N, 6.5mm stroke, 24v 0-10v output, manual operation	£195.86
M7410E4022	180N, 6.5mm stroke, 24v 0-10v output, manual operation, 2x auxiliary switches	£276.25



M7410C1007

Please see page 7 for compatible compression valve fittings.

Linear Valves

Part No	Description	Size	KVS	Stroke	Retail Price
V5011R1000	2-port, PN16	½" bspf	0.63	20mm	£224.45
V5011R1018	2-port, PN16	½" bspf	1.0	20mm	£211.46
V5011R1026	2-port, PN16	½" bspf	1.6	20mm	£191.96
V5011R1034	2-port, PN16	½" bspf	2.5	20mm	£200.72
V5011R1042	2-port, PN16	½" bspf	4.0	20mm	£204.42
V5011R1059	2-port, PN16	¾" bspf	6.3	20mm	£207.05
V5011R1067	2-port, PN16	1" bspf	10.0	20mm	£245.25
V5011R1075	2-port, PN16	1¼" bspf	16.0	20mm	£272.11
V5011R1083	2-port, PN16	1½" bspf	25.0	20mm	£319.99
V5011R1091	2-port, PN16	2" bspf	40.0	20mm	£385.34
V5328A1104	2-port, PN16	DN65 (FL)	63.0	20mm	£902.93
V5328A1112	2-port, PN16	DN80 (FL)	100.0	20mm	£1,061.51
V5328A1195	2-port, PN16	DN100 (FL)	160.0	38mm	£1,629.46
V5328A1203	2-port, PN16	DN125 (FL)	250.0	38mm	£2,347.63
V5328A1211	2-port, PN16	DN150 (FL)	360.0	38mm	£3,279.36
V5013R1032	3-port, PN16	½" bspf	2.5	20mm	£198.05
V5013R1040	3-port, PN16	½" bspf	4.0	20mm	£197.42
V5013R1057	3-port, PN16	¾" bspf	6.3	20mm	£192.94
V5013R1065	3-port, PN16	1" bspf	10.0	20mm	£207.05
V5013R1073	3-port, PN16	1¼" bspf	16.0	20mm	£245.70
V5013R1081	3-port, PN16	1½" bspf	25.0	20mm	£283.82
V5013R1099	3-port, PN16	2" bspf	40.0	20mm	£366.30
V5329A1079	3-port, PN16	DN65 (FL)	63.0	20mm	£868.71
V5329A1087	3-port, PN16	DN80 (FL)	100.0	20mm	£1,113.67
V5050A1090	3-port, PN16	DN100 (FL)	160.00	38mm	£1,957.92
V5050A1108	3-port, PN16	DN125 (FL)	250.0	38mm	£2,781.05
V5050A1116	3-port, PN16	DN150 (FL)	360.00	38mm	£3,238.45

Only the most common products are listed above. Please contact the office for details of the full range.



V5011R1059



V5011R1059



V5013R1065

Actuators for Linear Valves

Part No	Thrust	Stroke	Supply	Features	To Suit...	Retail Price
MT8-024-NC	90N	8mm	24v	Spring return (NC)	Fan coil valves	£59.92
MT8-024-NO	90N	8mm	24v	Spring return (NO)	Fan coil valves	£67.52
M6410C2031	300N	6.5mm	24v	Raise/lower, manual operation	V5832B/ V5833A	£159.22
M7410E1028	300N	6.5mm	24v	0-10v modulating	V5832B/ V5833A	£216.53
M7410E2034	300N	6.5mm	24v	0-10v modulating, manual op	V5832B/ V5833A	£235.23
ML6420A3007	600N	20mm	24v	Raise/lower	H'well 20mm stroke	£329.12
ML6420A3015	600N	20mm	230v	Raise/lower	H'well 20mm stroke	£357.31
ML6425A3006	600N	20mm	24v	Spring return (stem extends)	H'well 20mm stroke	£592.07
ML6425B3005	600N	20mm	24v	Spring return (stem retracts)	H'well 20mm stroke	£744.77
ML7420A6009T	600N	20mm	24v	0-10v modulating	H'well 20mm stroke	£443.13
ML7425A6008T	600N	20mm	24v	Spring return (stem extends), 0-10v	H'well 20mm stroke	£684.87
ML7425B6007T	600N	20mm	24v	Spring return (stem retracts), 0-10v	H'well 20mm stroke	£684.87
ML7421A3004	1800N	20mm	24v	0-10v modulating, high torque	H'well 20mm stroke	£590.40
ML6421B3004	1800N	38mm	24v	Raise/ lower, manual op	H'well 38mm stroke	£635.34
ML6421B3012	1800N	38mm	230v	Raise/ lower, manual op	H'well 38mm stroke	£670.24
ML7421B3003	1800N	38mm	24v	0-10v modulating, manual op	H'well 38mm stroke	£774.17

Only the most common products are listed above. Please contact the office for details of the full range.



MT8-024-NO



M7410E1028



ML7421B3003

Rotary Actuators

Part No	Joventa Part No	Torque (NM)	Features	Retail Price
M9108-AGA-1N	DAS1	8	24v, on/off	£161.68
M9108-AGC-1N	DAS1.S	8	24v, on/off, aux. switch	£200.89
M9108-ADA-1N	DAS2	8	230v, on/off	£161.68
M9108-ADC-1N	DAS2.S	8	230v, on/off, aux. switch	£208.21
M9108-GGA-1N	DMS1.1	8	24v, 0-10v modulating	£220.50
M9116-AGA-1N	DA1	16	24v, on/off	£184.64
M9116-AGC-1N	DA1.S	16	24v, on/off, aux. switch	£230.81
M9116-ADA-1N	DA2	16	230v, on/off	£207.72
M9116-ADC-1N	DA2.S	16	230v, on/off, aux. switch	£265.45
M9116-GGA-1N	DM1.1	16	24v, 0-10v modulating	£276.98
M9132-AGA-1N	DAG1	32	24v, on/off	£348.51
M9132-AGC-1N	DAG1.S	32	24v, on/off, aux. switch	£391.72
M9132-ADA-1N	DAG2	32	230v, on/off	£358.25
M9132-ADC-1N	DAG2.S	32	230v, on/off, aux. switch	£408.46
M9132-GGA-1N	DMG1.1	32	24v, 0-10v modulating	£434.96



M9108...



VG3...

4-Port Linear Unit Valves & Actuators

Part No	Description	Size	KVS (m³/h)	Bypass KVS (m³/h)	Retail Price
VG3490CS	3-way w/ bypass, mixing	15mm compr.	0.63	0.4	£45.73
VG3490DS	3-way w/ bypass, mixing	15mm compr.	1.0	0.63	£45.73
VG3490ES	3-way w/ bypass, mixing	15mm compr.	1.6	1.0	£45.73
VG3490FS	3-way w/ bypass, mixing	15mm compr.	2.5	1.6	£45.73

Actuators to Suit

VA-7080-21	Thermic actuator, 125N, 24v open/close (normally open)	£46.90
VA-7087-23	Thermic actuator, 125N, 230v open/close (normally open)	£38.89
VA-7480-0001	Electric actuator, 120N, 24v floating control	£107.37
VA-7482-2001	Electric actuator, 120N, 24v 0-10v modulating control	£118.00



VA-7480...

3-Port Linear Valves

Part No	Description	Size	KVS (m³/h)	Retail Price
VG7802FT	3-port mixing, PN16, bronze body, brass trim	½" bspf	2.5	£223.97
VG7802GT	3-port mixing, PN16, bronze body, brass trim	½" bspf	4.0	£223.97
VG7802LT	3-port mixing, PN16, bronze body, brass trim	¾" bspf	6.3	£234.48
VG7802NT	3-port mixing, PN16, bronze body, brass trim	1" bspf	10.0	£329.36
VG7802PT	3-port mixing, PN16, bronze body, brass trim	1¼" bspf	16.0	£408.39
VG7802RT	3-port mixing, PN16, bronze body, brass trim	1½" bspf	25.0	£553.31
VG7802ST	3-port mixing, PN16, bronze body, brass trim	2" bspf	40.0	£764.07
VG88G1S1N	3-port mixing, PN16, cast iron body	DN65 (flanged)	63.0	£1,096.27
VG88H1S1N	3-port mixing, PN16, cast iron body	DN80 (flanged)	100.0	£1,303.80
VG88J1S1N	3-port mixing, PN16, cast iron body	DN100 (flanged)	160.0	£1,883.19
VG88K1S1N	3-port mixing, PN16, cast iron body	DN125 (flanged)	250.0	£2,984.65
VG88L1S1N	3-port mixing, PN16, cast iron body	DN150 (flanged)	350.0	£3,609.06



VG78...

Actuators to Suit

Part No	Features	Torque	To Suit...	Retail Price
VA-7700-1001	24v, raise/lower	500N	VG7802...	£200.89
VA-7700-1003	230v, raise/lower	500N	VG7802...	£213.13
VA-7706-1001	24v, 0-10v modulating	500N	VG7802...	£308.65
VA1125-GGA-1	24v, 3-pos or 0-10v	2500N	VG88... (to DN150)	£894.63
VA1220-GGA-1	24v, 3-pos or 0-10v, retracts on power fail	2000N	VG88... (to DN150)	£1,037.31
VA1420-GGA-1	24v, 3-pos or 0-10v, extends on power fail	2000N	VG88... (to DN150)	£1,037.14
VA1000-M230N	230v module	N/A	VA1...GGA-1 actuators	£65.92
VA1000-S2	2x SPDT aux switches	N/A	VA1...GGA-1 actuators	£117.73



VG8...

Temperature Sensors and Controllers

Part No	Description	Retail Price
TUC0311-2	N2/BACnet terminal unit controller	£318.62
TM-2140-0000	Space temperature sensor	£80.39
TM-2160-0000	Space temperature sensor c/w setpoint adjuster	£114.14
TM-2160-0007	Space temperature sensor c/w setpoint adjuster & fan speed override	£104.38
LP-RSM003-000C	Room sensor module (wall mounted)	£198.81
LP-RSM003-003C	IR receiver & temperature sensor	£75.48
LP-RSM003-004C	IR handheld control unit	£108.82



VA1420...

Spartan Controls can offer a range of replacement Satchwell “legacy” products, available while stocks last.

Air Temperature Sensors

Part No	Description	Range	Features	To Suit	Retail Price
STR612	Room sensor - air	+10/+30°C	Exposed adj	CZU, KMC	£109.46
STR611	Room sensor - air	+10/+30°C	Concealed adj	CZU, KMC	£133.90
STD660	Duct sensor - air	-5/+100°C	Telescopic	All contemporary	£104.72
STD670	Duct sensor - air	+10/+40°C	1.5m flylead	CZU, MN	£48.06
STO600	Outside sensor - air	-40/+55°C		All contemporary	£67.16
STP660	Immersion sensor -water	-10/120°C	Telescopic	All contemporary	£104.80
9121066000	Brass pocket (120mm)	N/A		STP660	£45.41
STC600	Strap-on pipe sensor- water	Max 120°C		All contemporary	£49.17



STR612



STO600

Spartan Controls are able to offer “clone” sensors to replace old Satchwell models. Please contact the office for details.

Micronet Controller Series

Part No	Description	Retail Price
MN650-ARC	Micronet controller	POA
MN650-XCOM	Micronet controller	POA
MN550-XCOM	Micronet controller	POA
MN350-NCP	Micronet controller	POA
MN50-LCDP	LCD screen (panel mounting)	POA
MN50-TSP-NCP	Touch screen (panel mounting)	POA
MN50-MI-NCP	Modem interface	POA
XENTA555	Web browser 007308250	POA
7309200	Xenta serial kit	POA



STC600



MN50-LCDP

3-Port Rotary Shoe Valves

Part No	Size	CV	Suitable Actuators	Retail Price
MB1402	½” bspf	1.8	RM, XRM, MD (+ link: see below)	£473.19
MB1452	¾” bspf	4.0	RM, XRM, MD (+ link: see below)	£335.34
MB1502	1” bspf	8.0	RM, XRM, MD (+ link: see below)	£377.27
MB1552	1¼” bspf	12.0	RM, XRM, MD (+ link: see below)	£532.12
MB1602	1½” bspf	20.0	RM, XRM, MD (+ link: see below)	£648.56
MB1652	2” bspf	32.0	RM, XRM, MD (+ link: see below)	£751.03
MBX4401	½” bspf	1.8	RM, XRM, MD (+ link: see below)	£384.50
MBX4451	¾” bspf	4.0	RM, XRM, MD (+ link: see below)	£317.88
MBX4501	1” bspf	8.0	RM, XRM, MD (+ link: see below)	£348.15
MBX4551	1¼” bspf	12.0	RM, XRM, MD (+ link: see below)	£398.22
MBX4601	1½” bspf	20.0	RM, XRM, MD (+ link: see below)	£483.23
MBX4651	2” bspf	32.0	RM, XRM, MD (+ link: see below)	£563.57
MBF4732	65mm (flanged)	63.0	MD (+ link: see below)	£1,124.80
MBF4782	80mm (flanged)	80.0	MD (+ link: see below)	£1,335.55
MBF4857	100mm (flanged)	120.0	MD (+ link: see below)	£1,380.96



MB1402



MBF-4732

Linkages to Suit

9141070000	To link Schneider MD actuator to Satchwell MBF valves	£167.08
9141071000	To link Schneider MD actuator to Satchwell MB/MBX valves	£195.32

Please see page 32 for details of Schneider MD valve options.

Rotary Actuators

File No	Torque (Nm)	Features	Suitable Valves	Retail Price
RM3601	2	230v, reversing, aux. switch	MB...	£1,037.76
XRM3201	2	24v, reversing, aux. switch	MB...	£1,037.76



XRM3201

Spartan Controls can offer a range of replacement Satchwell “legacy” products, available while stocks last.

2-Port Linear Valves

Part No	Size	CV	Stroke	Retail Price
VZ1401	½” bspf	0.2	5.9mm	£517.04
VZ1402	½” bspf	0.5	5.9mm	£683.83
VZ1403	½” bspf	1	5.9mm	£517.05
VZ1404	½” bspf	2	5.9mm	£517.05
VZ1451	¾” bspf	4	5.9mm	£553.11
VZ2501	1” bspf	8	15.9mm	£594.63
VZ2551	1¼ bspf	12	15.9mm	£675.21
VZ2601	1½” bspf	20	15.9mm	£771.58
VZ2651	2” bspf	32	15.9mm	£897.28
VZX4404	½” bspf	2.0	12.7mm	£400.49
VZX4451	¾” bspf	4.0	12.7mm	£429.79
VZX4501	1” bspf	8.0	12.7mm	£461.54
VZX4551	1¼ bspf	12.0	12.7mm	£525.03
VZX4601	1½” bspf	20.0	12.7mm	£579.98
VZX4651	2” bspf	32.0	12.7mm	£664.22
VSF1576	32mm (flanged)	16	24.5mm	£1,007.33
VSF1626	40mm (flanged)	25	24.5mm	£1,037.85
VSF1676	50mm (flanged)	40	24.5mm	£1,063.38
VZF1852	100mm (flanged)	125	25.4mm	£3,245.64
VZF1902	125mm (flanged)	200	38mm	£3,362.19
VZF1954	150mm (flanged)	315	38mm	£4,337.88



VZ2601



VZX4551

3-Port Linear Valves

Part No	Size	CV	Stroke	Retail Price
MZ3402	½” bspf	2.5	9.5mm	£462.76
MZ3452	¾” bspf	4.0	9.5mm	£500.61
MZ3501	1” bspf	8.0	15.9mm	£572.65
MZ3551	1¼” bspf	12.0	15.9mm	£648.36
MZ3601	1½” bspf	20.0	15.9mm	£896.21
MZ3651	2” bspf	32.0	15.9mm	£1,271.59
MZX4402	½” bspf	2.5	12.7mm	£362.64
MZX4452	¾” bspf	4.0	12.7mm	£393.16
MZX4501	1” bspf	8.0	12.7mm	£445.67
MZX4551	1¼” bspf	12.0	12.7mm	£531.14
MZX4601	1½” bspf	20.0	12.7mm	£582.42
MZX4651	2” bspf	32.0	12.7mm	£763.08



MZX4551

Packing Kits

Part No	Description	Retail Price
626-9-204	Gland, gland assembly & grease for VZX & MZX	£257.33
626-9-203	Gland, gland assembly & grease for VZ, (Mk2) MZ (Mk3) & VSF (to 1”)	£257.33
626-9-310	Gland, gland assembly & grease for VZ (Mk1) & MZ (Mk1)	£338.84
626-9-311	Gland, gland assembly & grease for VZF & MZF	£421.51

Other packing kits are available; please contact the office for details.



AVU2201

Linear Actuators

Part No	Thrust	Features	Suitable Valves	Retail Price
SPA-AVUX	220	(Repl. AVUX5202) 24v, floating control	VZX, MZX	£315.64
SPA-AVUE	220	(Repl. AVUE5304) 24v, 0-10v, direct acting	VEU, MEU, FEU, VZX, MZX	£380.42
SPA-AVUM	220	(Repl. AVUM5601) 230v	VZX, MZX	£272.36
MV15B-24 & L7SV	1500	24v, floating control, inc. linkage	MZ, VZ, MJF, VSF, MZF, VZF	£1,835.50
MV15B-230 & L7SV	1500	230v, floating control, inc. linkage	MZ, VZ, MJF, VSF, MZF, VZF	£1,835.50
M800-L2SV	800N	24v, 0-10v, inc. linkage	MZ, VZ, MJF, VSF, MZF, VZF	£1,044.82
M800-S2-L2SV	800N	24v, 0-10v, inc. Linkage & aux. switch	MZ, VZ, MJF, VSF, MZF, VZF	£1,200.13
M700-S2-SRSU & L7SV	700N	24v, 0-10v, “spring up”, inc. linkage	MZ, VZ, MJF, VSF, MZF, VZF	£1,787.26
M700-S2-SRSD & L7SV	700N	24v, 0-10v, “spring down”, inc. linkage	MZ, VZ, MJF, VSF, MZF, VZF	£1,778.22



M700...

3-Port Linear Valves

Part No	Description	Size	Kvs (m ³ /h)	Retail Price
BUN015F330	3-port, PN16, supplied c/w couplings	½" bspf	1.0	£178.83
BUN015F320	3-port, PN16, supplied c/w couplings	½" bspf	1.6	£178.83
BUN015F310	3-port, PN16, supplied c/w couplings	½" bspf	2.5	£178.83
BUN015F300	3-port, PN16, supplied c/w couplings	½" bspf	4.0	£178.83
BUN020F300	3-port, PN16, supplied c/w couplings	¾" bspf	6.3	£199.57
BUN025F300	3-port, PN16, supplied c/w couplings	1" bspf	10.0	£228.57
BUN032F300	3-port, PN16, supplied c/w couplings	1¼" bspf	16.0	£291.11
BUN040F300	3-port, PN16, supplied c/w couplings	1½" bspf	22.0	£355.84
BUN050F200	3-port, PN16, supplied c/w couplings	2" bspf	28.0	£582.91
BQD065F300	3-port, PN6	DN65 (flanged)	49.0	£511.88
BQD080F300	3-port, PN6	DN80 (flanged)	78.0	£796.79
BQD100F300	3-port, PN6	DN100 (flanged)	124.0	£1,286.15



BUN...



BQD...

Linear Valve Actuators

Part No	Thrust	Features	Suitable Valves	Retail Price
AVM105SF132	250N	24v, 2/3-position or 0-10v	BUN...	£165.77
AVM115SF132	500N	24v, 2/3-position or 0-10v	BUN...	£211.29
AVM321SF132	1000N	24v, 2/3-position or 0-10v	BUN...	£386.70
AVM234SF132	2500N	24v, 2/3-position or 0-10v	BQD...	£656.50
AVF234SF132	2000N	24v, 2/3-position or 0-10v, spring return	BQD...	£859.28



AVM321SF132

Linear Unit Valves

Part No	Description	Size	Kvs (m ³ /h)	Retail Price
VUL010F630	2-port	15mm (compression)	0.4	£27.84
VUL010F620	2-port	15mm (compression)	0.6	£27.84
VUL010F610	2-port	15mm (compression)	1.0	£27.84
VUL010F600	2-port	15mm (compression)	1.6	£27.84
VUL015F310	2-port	¾" (flat-face)	2.5	£29.93
BUL010F630	4-port	15mm (compression)	0.4	£62.34
BUL010F620	4-port	15mm (compression)	0.6	£62.34
BUL010F610	4-port	15mm (compression)	1.0	£62.34
BUL010F600	4-port	15mm (compression)	1.6	£62.34
BUL015F410	4-port	¾" (flat-face)	2.5	£72.37



VUL...



BUL... (left)

Linear Unit Valve Actuators

Part No	Thrust	Features	To Suit...	Retail Price
AXM217SF402	120N	24v, 0-10v (motorised)	VUL.../ BUL...	£155.46
AXS215SF122	125N	24v, 0-10v (thermic), normally closed	VUL.../ BUL...	£78.52
AXM217F202	120N	24v, raise/lower (motorised)	VUL.../ BUL...	£131.52
AXT211F112	115N	24v, raise/lower (thermic), normally closed	VUL.../ BUL...	£36.54
AXT211F110	115N	230v, raise/lower (thermic), normally closed	VUL.../ BUL...	£36.54



AXT...

Ball Valves

Part No	Description	Size	Kvs (m ³ /h)	Retail Price
VKR015F350-FF	2-port, PN40, DZR brass	½" bspf	1.0	£41.74
VKR015F340-FF	2-port, PN40, DZR brass	½" bspf	1.6	£41.74
VKR015F330-FF	2-port, PN40, DZR brass	½" bspf	2.5	£41.74
VKR015F320-FF	2-port, PN40, DZR brass	½" bspf	4.0	£41.74
VKR015F310-FF	2-port, PN40, DZR brass	½" bspf	6.3	£41.74
VKR015F300-FF	2-port, PN40, DZR brass	½" bspf	10.0	£41.74
VKR020F320-FF	2-port, PN40, DZR brass	¾" bspf	4.0	£46.54
VKR020F310-FF	2-port, PN40, DZR brass	¾" bspf	6.3	£46.54
VKR020F300-FF	2-port, PN40, DZR brass	¾" bspf	10.0	£46.54
VKR025F320-FF	2-port, PN40, DZR brass	1" bspf	6.3	£61.51
VKR025F310-FF	2-port, PN40, DZR brass	1" bspf	10.0	£61.51
VKR025F300-FF	2-port, PN40, DZR brass	1" bspf	16.0	£61.51
VKR032F320-FF	2-port, PN40, DZR brass	1¼" bspf	10.0	£92.49
VKR032F310-FF	2-port, PN40, DZR brass	1¼" bspf	16.0	£92.49
VKR032F300-FF	2-port, PN40, DZR brass	1¼" bspf	25.0	£92.49
VKR040F320-FF	2-port, PN40, DZR brass	1½" bspf	16.0	£128.88
VKR040F310-FF	2-port, PN40, DZR brass	1½" bspf	25.0	£128.88
VKR040F300-FF	2-port, PN40, DZR brass	1½" bspf	40.0	£128.88
VKR050F320-FF	2-port, PN40, DZR brass	2" bspf	25.0	£215.42
VKR050F310-FF	2-port, PN40, DZR brass	2" bspf	40.0	£215.42
VKR050F300-FF	2-port, PN40, DZR brass	2" bspf	63.0	£215.42
BKR015F340-FF	3-port, PN40, DZR brass	½" bspf	1.6	£73.75
BKR015F330-FF	3-port, PN40, DZR brass	½" bspf	2.5	£73.75
BKR015F320-FF	3-port, PN40, DZR brass	½" bspf	4.0	£73.75
BKR015F310-FF	3-port, PN40, DZR brass	½" bspf	6.3	£73.75
BKR020F320-FF	3-port, PN40, DZR brass	¾" bspf	4.0	£82.81
BKR020F310-FF	3-port, PN40, DZR brass	¾" bspf	6.3	£82.81
BKR025F300-FF	3-port, PN40, DZR brass	1" bspf	10.0	£94.58
BKR032F310-FF	3-port, PN40, DZR brass	1¼" bspf	16.0	£112.85
BKR040F310-FF	3-port, PN40, DZR brass	1½" bspf	25.0	£175.66
BKR050F310-FF	3-port, PN40, DZR brass	2" bspf	40.0	£284.84



VKR...



BKR...



AKM115F122

Ball Valve Actuators

Part No	Torque	Features	To Suit...	Retail Price
AKM105F100	4 Nm	230v, 2/3-point, 30s run time	VKR.../BKR...	£156.60
AKM105F120	4 Nm	230v, 2/3-point, 120s run time	VKR.../BKR...	£136.16
AKM105F122	4 Nm	24v, 2/3-point, 120s run time	VKR.../BKR...	£136.16
AKM105SF132	4 Nm	24v, 0-10v, 35/60/120s run time	VKR.../BKR...	£159.28
AKM115F120	8 Nm	230v, 2/3-point, 120s run time	VKR.../BKR...	£161.32
AKM115F122	8 Nm	24v, 2/3-point, 120s run time	VKR.../BKR...	£161.32
AKM115SF132	8 Nm	24v, 0-10v, 35/60/120s run time	VKR.../BKR...	£191.88
AKF112F120	7 Nm	230v, 2-point, spring-return, 90s run time	VKR.../BKR...	£354.77
AKF112F122	7 Nm	24v, 2-point, spring-return, 90s run time	VKR.../BKR...	£328.78
AKF113F122	7 Nm	24v, 3-point, spring-return, 90s run time	VKR.../BKR...	£346.26
AKF113SF122	7 Nm	24v, 0-10v, spring-return, 90s run time	VKR.../BKR...	£372.37



AKF112F122

The complete range of Sauter field devices, analogue and pneumatic control products are available. Please contact the office for details on any item not listed above.

Rotary Actuators

Part No	Torque (Nm)	Features	Application	Retail Price
MD20B-230	20	230v, reversing	Dampers, Satchwell MB/MBF	£357.69
MD20B-24	20	24v, reversing	Dampers, Satchwell MB/MBF	£289.44
MD20A-24	20	24v, 0-10v	Dampers, Satchwell MB/MBF	£407.10
Linkage Kits				
LK2701	9141070000	Linkage kit for Satchwell MBF valves		£167.08
LK2702	9141071000	Linkage kit for Satchwell MB valves		£195.32



MD20B...

Linear Valves

Part No	Description	Size	KVS (m ³ /h)	Retail Price
V311T/15/2.5	3-port, PN16, tight seal	½" bspf	2.5	£215.32
V311T/15/4	3-port, PN16, tight seal	½" bspf	4	£215.32
V311T/20/6.3	3-port, PN16, tight seal	¾" bspf	6.3	£235.76
V311T/25/10	3-port, PN16, tight seal	1" bspf	10	£267.09
V311T/32/16	3-port, PN16, tight seal	1¼" bspf	16	£324.74
V311T/40/25	3-port, PN16, tight seal	1½" bspf	25	£387.10
V311T/50/38	3-port, PN16, tight seal	2" bspf	38	£534.18
V311/15/1.6	3-port, PN16	15mm (flanged)	1.6	£372.96
V311/15/2.5	3-port, PN16	15mm (flanged)	2.5	£372.96
V311/15/4	3-port, PN16	15mm (flanged)	4	£372.96
V311/20/6.3	3-port, PN16	20mm (flanged)	6.3	£409.46
V311/25/10	3-port, PN16	25mm (flanged)	10	£421.22
V311/32/16	3-port, PN16	32mm (flanged)	16	£510.64
V311/40/25	3-port, PN16	40mm (flanged)	25	£683.60
V311/50/38	3-port, PN16	50mm (flanged)	38	£767.14
V321/65/63	3-port, PN16	65mm (flanged)	63	£1,661.58
V321/80/100	3-port, PN16	80mm (flanged)	100	£1,800.14
V321/100/160	3-port, PN16	100mm (flanged)	160	£2,452.03
V321/125/250	3-port, PN16	125mm (flanged)	250	£6,571.31
V321/150/320	3-port, PN16	150mm (flanged)	320	£8,100.89



9141070000



V311T...



V321/100...

Linear Actuators

Part No	Thrust	Features	Suitable Valves	Retail Price
MV15B-230	1500N	230v, floating control	V311, V321	£1,189.54
MV15B-24	1500N	24v, floating control	V311, V321	£1,189.54
M800	800N	24v, 0-10v	V311, V321	£478.88
M800-S2	800N	24v, 0-10v, inc. aux. switch	V311, V321	£789.50
M700-S2-SRSU	700N	24v, 0-10v, "spring up"	V311, V321	£1,195.43
M700-S2-SRSD	700N	24v, 0-10v, "spring down"	V311, V321	£1,153.07



M700...

Only the most common products have been listed above. Please contact the office for details on any item not listed.

FOR SATCHWELL LEGACY PRODUCTS, PLEASE SEE PAGES 28-29.

Controllers & Thermostats

Part No	Description	Retail Price
QAX31.1	Adjustable sensor	£85.00
QAX33.1	Adjustable sensor & 3-speed fan switch	£91.00
QAX34.3	Adjustable sensor, 3-speed fan switch & programming tool for RXB21.1	£109.00
RAA11	Tamperproof room thermostat, +8/+30°C setpoint range	£20.00
RAA21	Room thermostat, +8/+30°C setpoint range	£25.00
RDG100	Thermostat for fan coil & heat pump, 230v w/ LCD display	£95.00
RDG100T	Thermostat for fan coil & heat pump, 230v w/ LCD display & 7-day timeswitch	£101.00
RDG160T	Thermostat for fan coil & heat pump, 24v 0-10v w/ LCD display & 7-day time switch	£114.00
RLA162	Room temperature controller, 24v supply, 2x 0-10vdc outputs	£127.00
RLE162	Immersion temperature controller, 24v supply, 2x 0-10vdc outputs	£259.00
RLM162	Duct temperature controller, 24v supply, 2x 0-10vdc outputs	£205.00
RVL480	Optimiser/ compensator for boiler & zone control	£859.00
RVL481	Optimiser/ compensator for boiler, zone & HWS control	£1,008.00
RVL482	Optimiser/ compensator for zone, HWS & boiler sequencing control	£1,148.00
RVP201.0	Compensator *no communication module included*	£443.00
AUZ3.1	Daily timeswitch *to suit RVP201*	£48.00
RAK.TW1000HB	Auto-reset immersion/strap-on thermostat, 15/+95°C IP43	£77.00
RAK.TW1200B-H	Auto-reset immersion/strap-on thermostat, 40/+120°C IP43	£74.00
RAK.TB1410B-M	Manual reset immersion/strap-on thermostat, 50/+70°C IP43	£77.00
RAK.TB1420S-M	Manual rest immersion/strap-on thermostat, 65/+80°C IP43	£82.00
RAK.ST1430S-M	Manual reset immersion/strap-on thermostat, 80/+100°C IP43	£75.00
RCC30	Room thermostat for 4-pipe fan coils, 230v	£77.00
RVP340	Optimiser/ compensator for zone control	£498.00
RVP350	Optimiser/ compensator for zone, HWS & boiler sequencing	£658.00
RVP360	Optimiser/ compensator - 2 zone, boiler & HWS control	£791.00
RWD62	Universal controller, 24v, 2x modulating outputs	£125.00
RWD82	Universal controller, 24v, 1x modulating output, 1x 2-point output	£135.00
RXB21.1/FC10	Programmable unit controller	£200.00

NOTE: sensors sold separately. Please see sensors section for prices.



RVL480



RLA162

Sensors, Inserts & Modules

Part No	Description	Range	Retail Price
QAA24	Room temperature sensor	0/+50°C	£30.00
QAC22	Outside temperature sensor	-35/+50°C	£25.00
QAD22	Clamp-on temperature sensor	-30/+130°C	£34.00
QAP22	Fly lead temperature sensor	-25/+95°C	£15.00
QAH11.1	Cable temperature sensor (2.5m cable)	-20/+70°C	£20.00
QAE2120.010	Immersion temperature sensor	-30/+130°C	£52.00
QAM2120.040	Duct temperature sensor	-50/+80°C	£51.00
QAF64.2-J	Duct frost sensor (2m capillary)	0/+15°C	£200.00
QFA2060	Room temp & humidity sensor	0/+50°C, 0-100%	£188.00
QFM2160	Duct temp & humidity sensor	0/+50°C or -35/+35°C, 0-100%	£188.00
QPA2000	CO ₂ space sensor, 24v 0-10v	0-2000 ppm	£256.00
QPM2100	CO ₂ duct sensor, 24v 0-10v	0-2000 ppm	£427.00
SEZ91.6	Phase cut interface, 0/10vdc output	N/A	£87.00
BSG21.1	Remote passive setpoint unit (0-1000ohm)	0/+50°C	£55.00
BSG21.5	Remote passive setpoint unit (1000-1175ohm)	-20/+20°C, +20/+60°C...	£58.00
BSG61	Remote active setpoint unit (voltage)	0-100%	£68.00



QAC22



SEZ91.6

Damper Actuators

Part No	Torque/ Thrust	Features	Air Damper Area	Retail Price
GDB161.1E	5Nm	24v, 0-10v modulating	0.8m ²	£117.00
GEB341.1E	15Nm	230v, 3-position	3m ²	£114.00
GEB141.1E	15Nm	24v, 3-position	3m ²	£114.00
GEB161.1E	15Nm	24v, 0-10v modulating	3m ²	£160.00
GBB131.1E	25Nm	24v, 3-position	4m ²	£142.00
GBB161.1E	25Nm	24v, 0-10v modulating	4m ²	£193.00
GIB331.1E	35Nm	230v, 3-position	6m ²	£195.00
GIB131.1E	35Nm	24v, 3-position	6m ²	£195.00
GIB161.1E	35Nm	24v, 0-10v modulating	6m ²	£249.00



GDB161.1E

Accessories to Suit

ASC77.1E	Auxiliary switch (single) for GEB..., GBB... & GIB... damper actuators	£42.00
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Ball Valves

Part No	Description	Size	Kvs (m ³ /h)	Retail Price
VAI61.15-1	2-port ball valve, PN40	½" bspf	1.0	£46.00
VAI61.15-1.6	2-port ball valve, PN40	½" bspf	1.6	£46.00
VAI61.15-2.5	2-port ball valve, PN40	½" bspf	2.5	£46.00
VAI61.15-4	2-port ball valve, PN40	½" bspf	4.0	£46.00
VAI61.15-6.3	2-port ball valve, PN40	½" bspf	6.3	£46.00
VAI61.15-10	2-port ball valve, PN40	½" bspf	10.0	£46.00
VAI61.20-4	2-port ball valve, PN40	¾" bspf	4.0	£53.00
VAI61.20-6.3	2-port ball valve, PN40	¾" bspf	6.3	£53.00
VAI61.20-10	2-port ball valve, PN40	¾" bspf	10.0	£53.00
VAI61.25-6.3	2-port ball valve, PN40	1" bspf	6.3	£64.00
VAI61.25-10	2-port ball valve, PN40	1" bspf	10.0	£64.00
VAI61.25-16	2-port ball valve, PN40	1" bspf	16.0	£64.00
VAI61.32-10	2-port ball valve, PN40	1¼" bspf	10.0	£92.00
VAI61.32-16	2-port ball valve, PN40	1¼" bspf	16.0	£92.00
VAI61.32-25	2-port ball valve, PN40	1¼" bspf	25.0	£92.00
VAI61.40-16	2-port ball valve, PN40	1½" bspf	16.0	£110.00
VAI61.40-25	2-port ball valve, PN40	1½" bspf	25.0	£110.00
VAI61.40-40	2-port ball valve, PN40	1½" bspf	40.0	£110.00
VAI61.50-25	2-port ball valve, PN40	2" bspf	25.0	£142.00
VAI61.50-40	2-port ball valve, PN40	2" bspf	40.0	£142.00
VAI61.50-63	2-port ball valve, PN40	2" bspf	63.0	£142.00
VBI61.15-1.6	3-port ball valve, PN40	½" bspf	1.6	£78.00
VBI61.15-2.5	3-port ball valve, PN40	½" bspf	2.5	£78.00
VBI61.15-4	3-port ball valve, PN40	½" bspf	4.0	£78.00
VBI61.15-6.3	3-port ball valve, PN40	½" bspf	6.3	£78.00
VBI61.20-4	3-port ball valve, PN40	¾" bspf	4.0	£89.00
VBI61.20-6.3	3-port ball valve, PN40	¾" bspf	6.3	£89.00
VBI61.25-10	3-port ball valve, PN40	1" bspf	10.0	£112.00
VBI61.32-16	3-port ball valve, PN40	1¼" bspf	16.0	£157.00
VBI61.40-25	3-port ball valve, PN40	1½" bspf	25.0	£214.00
VBI61.50-40	3-port ball valve, PN40	2" bspf	40.00	£306.00
VBI61.50-63	3-port ball valve, PN40	2" bspf	63.00	£306.00



VAI61.15...



VAI61.40...



VBI61.20...

Ball Valve Actuators

Part No	Torque (Nm)	Features	To suit...*	Retail Price
GQD131.9A	2	24v, 3-position, spring return	VAI.../VBI... (½"-1")	£156.00
GQD161.9A	2	24v, 0-10v modulating, spring return	VAI.../VBI... (½"-1")	£156.00
GDB341.9E	5	230v, 3-position	VAI.../VBI... (½"-1")	£84.00
GDB141.9E	5	24v, 3-position	VAI.../VBI... (½"-1")	£89.00
GDB161.9E	5	24v, 0-10v modulating	VAI.../VBI... (½"-1")	£104.00
GMA131.9E	7	24v, 3-position, spring return	VAI.../VBI... (½"-2")	£190.00
GMA161.9E	7	24v, 0-10v modulating, spring return	VAI.../VBI... (½"-2")	£197.00
GLB341.9E	10	230v, 3-position	VAI.../VBI... (½"-2")	£104.00
GLB141.9E	10	24v, 3-position	VAI.../VBI... (½"-2")	£101.00
GLB161.9E	10	24v, 0-10v modulating	VAI.../VBI... (½"-2")	£130.00

*dependent on pressure; please check before ordering.



GQD131.9A



GLB161.9E

Butterfly Valves

Part No	Description	Size	Kvs (m ³ /h)	Retail Price
VKF41.40	Cast iron, PN6/PN10/PN16 counter-flanges	DN40 (flanged)	50	£197.00
VKF41.50	Cast iron, PN6/PN10/PN16 counter-flanges	DN50 (flanged)	80	£219.00
VKF41.65	Cast iron, PN6/PN10/PN16 counter-flanges	DN65 (flanged)	200	£238.00
VKF41.80	Cast iron, PN6/PN10/PN16 counter-flanges	DN80 (flanged)	400	£271.00
VKF41.100	Cast iron, PN6/PN10/PN16 counter-flanges	DN100 (flanged)	760	£306.00
VKF41.125	Cast iron, PN6/PN10/PN16 counter-flanges	DN125 (flanged)	1000	£396.00
VKF41.150	Cast iron, PN6/PN10/PN16 counter-flanges	DN150 (flanged)	2100	£472.00
VKF41.200	Cast iron, PN6/PN10/PN16 counter-flanges	DN200 (flanged)	4000	£714.00

Please see following page for suitable actuators.



VKF41.80

3-Port Rotary Shoe Valves

Part No	Description	Size	Kvs (m ³ /h)	Retail Price
VBF21.40	3-port rotary shoe, PN6	DN40 (flanged)	25	£141.00
VBF21.50	3-port rotary shoe, PN6	DN50 (flanged)	40	£179.00
VBF21.65	3-port rotary shoe, PN6	DN65 (flanged)	63	£230.00
VBF21.80	3-port rotary shoe, PN6	DN80 (flanged)	100	£282.00
VBF21.100	3-port rotary shoe, PN6	DN100 (flanged)	160	£472.00
VBF21.125	3-port rotary shoe, PN6	DN125 (flanged)	550	£892.00
VBF21.150	3-port rotary shoe, PN6	DN150 (flanged)	820	£1,186.00



VBF21.50...

Rotary Actuators

Part No	Torque	Features	To suit... *Linkages required*	Retail Price
SAL31.00T10	10Nm	230v, 3-position	VKF41...*, VBF21...(DN65-150)*	£296.00
SAL81.00T10	10Nm	24v, 3-position	VKF41...*, VBF21... (DN65-150)*	£296.00
SAL61.00T10	10Nm	24v, 0-10v modulating	VKF41...*, VBF21... (DN65-150)*	£366.00

Linkage kits to suit

ASK31N	To link SAL... to VBF21...	£49.00
ASK33N	To link SAL... to VKF...	£73.00



SQK34.00

Linear Valves for Fan Coil Units

Part No	Description	Size	Kvs (m ³ /h)	Retail Price
VVP47.10-0.63s	2-port, PN16	15mm (compression)	0.63	£31.00
VVP47.10-1s	2-port, PN16	15mm (compression)	1.0	£28.00
VVP47.10-1.6s	2-port, PN16	15mm (compression)	1.6	£28.00
VVP47.15-2.5s	2-port, PN16	22mm (compression)	2.5	£33.00
VVP47.10-0.4	2-port, PN16	½" (flat-face)	0.4	£28.00
VVP47.10-0.63	2-port, PN16	½" (flat-face)	0.63	£28.00
VVP47.10-1	2-port, PN16	½" (flat-face)	1.0	£28.00
VVP47.10-1.6	2-port, PN16	½" (flat-face)	1.6	£28.00
VVP47.15-2.5	2-port, PN16	¾" (flat-face)	2.5	£33.00
VXP47.10-0.4	3-port, PN16	½" (flat-face)	0.4	£34.00
VXP47.10-0.63	3-port, PN16	½" (flat-face)	0.63	£34.00
VXP47.10-1	3-port, PN16	½" (flat-face)	1.0	£34.00
VXP47.10-1.6	3-port, PN16	½" (flat-face)	1.6	£34.00
VXP47.15-2.5	3-port, PN16	¾" (flat-face)	2.5	£40.00
VMP47.10-0.63s	4-port, PN16	15mm (compression)	0.63	£41.00
VMP47.10-1s	4-port, PN16	15mm (compression)	1.0	£41.00
VMP47.10-1.6s	4-port, PN16	15mm (compression)	1.6	£41.00
VMP47.15-2.5s	4-port, PN16	22mm (compression)	2.5	£49.00
VMP47.10-0.4	4-port, PN16	½" (flat-face)	0.4	£39.00
VMP47.10-0.63	4-port, PN16	½" (flat-face)	0.63	£39.00
VMP47.10-1	4-port, PN16	½" (flat-face)	1.0	£39.00
VMP47.10-1.6	4-port, PN16	½" (flat-face)	1.6	£39.00
VMP47.15-2.5	4-port, PN16	¾" (flat-face)	2.5	£46.00



ASK33N



VVP47.15...



VXP47.10...



VMP47.10...

Please see BBZ fittings on page 7 for compatible fittings for compression valves.



SSP61

Actuators & Accessories to Suit

Part No	Description	Thrust	Features	Retail Price
SSP31	Electric actuator	160N	230v, 3-position control	£71.00
SSP81	Electric actuator	160N	24v, 3-position control	£61.00
SSP61	Electric actuator	160N	24v, 0-10v modulating	£91.00
STP23	Electro-thermic actuator	100N	230v, 2-position/ PWM (normally open)	£31.00
STP73	Electro-thermic actuator	100N	24v, 2-position/ PWM (normally open)	£31.00
AL100	Linkage kit	-	To link S...P to Staefa 2/3/4W valve	£26.00

Continued overleaf...

2-Port Linear Valves

Part No	Description	Size	Kvs (m ³ /h)	Stroke	Retail Price
VVG44.15-1.6/C	2-port seat, PN16, +1/+120°C	½" bspf	1.6	5.5mm	£121.00
VVG44.15-2.5/C	2-port seat, PN16, +1/+120°C	½" bspf	2.5	5.5mm	£121.00
VVG44.15-4.0/C	2-port seat, PN16, +1/+120°C	½" bspf	4	5.5mm	£121.00
VVG44.20-6.3/C	2-port seat, PN16, +1/+120°C	¾" bspf	6.3	5.5mm	£131.00
VVG44.25-10/C	2-port seat, PN16, +1/+120°C	1" bspf	10	5.5mm	£146.00
VVG44.32-16/C	2-port seat, PN16, +1/+120°C	1¼" bspf	16	5.5mm	£185.00
VVG44.40-25/C	2-port seat, PN16, +1/+120°C	1½" bspf	25	5.5mm	£245.00
VVG41.13/C	2-port seat, PN16, -15*/150°C	½" bspf	1.6	20mm	£243.00
VVG41.14/C	2-port seat, PN16, -15*/150°C	½" bspf	2.5	20mm	£243.00
VVG41.15/C	2-port seat, PN16, -15*/150°C	½" bspf	4	20mm	£243.00
VVG41.20/C	2-port seat, PN16, -15*/150°C	¾" bspf	6.3	20mm	£283.00
VVG41.25/C	2-port seat, PN16, -15*/150°C	1" bspf	10	20mm	£319.00
VVG41.32/C	2-port seat, PN16, -15*/150°C	1¼" bspf	16	20mm	£363.00
VVG41.40/C	2-port seat, PN16, -15*/150°C	1½" bspf	25	20mm	£387.00
VVG41.50/C	2-port seat, PN16, -15*/150°C	2" bspf	40	20mm	£475.00
VVF32.40-25	2-port seat, PN10, -10*/150°C	DN40 (flanged)	25	20mm	£258.00
VVF32.50-40	2-port seat, PN10, -10*/150°C	DN50 (flanged)	40	20mm	£326.00
VVF32.65-63	2-port seat, PN10, -10*/150°C	DN65 (flanged)	63	20mm	£439.00
VVF32.80-100	2-port seat, PN10, -10*/150°C	DN80 (flanged)	100	20mm	£590.00
VVF32.100-160	2-port seat, PN10, -10*/150°C	DN100 (flanged)	160	40mm	£894.00
VVF32.125-250	2-port seat, PN10, -10*/150°C	DN125 (flanged)	250	40mm	£1,121.00
VVF32.150-400	2-port seat, PN10, -10*/150°C	DN150 (flanged)	400	40mm	£1,396.00

*NOTE: if below 5°C on VVG41/ VVF32, spindle heater is required.



VVG44.15...



VVG41.25...



VVF32.100...

3-Port Linear Valves

Part No	Description	Size	Kvs (m ³ /h)	Stroke	Retail Price
VXG44.15-0.25/C	3-port seat, PN16, +1/+120°C	½" bspf	0.25	5.5mm	£113.00
VXG44.15-0.4/C	3-port seat, PN16, +1/+120°C	½" bspf	2.5	5.5mm	£113.00
VXG44.15-0.63/C	3-port seat, PN16, +1/+120°C	½" bspf	4.0	5.5mm	£113.00
VXG44.15-1.0/C	3-port seat, PN16, +1/+120°C	½" bspf	1.0	5.5mm	£113.00
VXG44.15-1.6/C	3-port seat, PN16, +1/+120°C	½" bspf	1.6	5.5mm	£113.00
VXG44.15-2.5/C	3-port seat, PN16, +1/+120°C	½" bspf	2.5	5.5mm	£113.00
VXG44.15-4.0/C	3-port seat, PN16, +1/+120°C	½" bspf	4.0	5.5mm	£113.00
VXG44.20-6.3/C	3-port seat, PN16, +1/+120°C	¾" bspf	6.3	5.5mm	£131.00
VXG44.25-10/C	3-port seat, PN16, +1/+120°C	1" bspf	10.0	5.5mm	£145.00
VXG44.32-16/C	3-port seat, PN16, +1/+120°C	1¼" bspf	16.0	5.5mm	£181.00
VXG44.40-25/C	3-port seat, PN16, +1/+120°C	1½" bspf	25.0	5.5mm	£239.00
VXG41.1301/C	3-port seat, PN16, -15*/150°C	½" bspf	1.6	20mm	£247.00
VXG41.1401/C	3-port seat, PN16, -15*/150°C	½" bspf	2.5	20mm	£247.00
VXG41.15/C	3-port seat, PN16, -15*/150°C	½" bspf	4.0	20mm	£247.00
VXG41.20/C	3-port seat, PN16, -15*/150°C	¾" bspf	6.3	20mm	£288.00
VXG41.25/C	3-port seat, PN16, -15*/150°C	1" bspf	10.0	20mm	£321.00
VXG41.32/C	3-port seat, PN16, -15*/150°C	1¼" bspf	16.0	20mm	£365.00
VXG41.40/C	3-port seat, PN16, -15*/150°C	1½" bspf	25.0	20mm	£418.00
VXG41.50/C	3-port seat, PN16, -15*/150°C	2" bspf	40.0	20mm	£481.00
VXF32.40	3-port seat, PN10, -10*/150°C	DN40 (flanged)	25.0	20mm	£259.00
VXF32.50	3-port seat, PN10, -10*/150°C	DN50 (flanged)	40.0	20mm	£326.00
VXF32.65	3-port seat, PN10, -10*/150°C	DN65 (flanged)	63.0	20mm	£439.00
VXF32.80	3-port seat, PN10, -10*/150°C	DN80 (flanged)	100.0	20mm	£590.00
VXF32.100	3-port seat, PN10, -10*/150°C	DN100 (flanged)	160.0	40mm	£894.00
VXF32.125	3-port seat, PN10, -10*/150°C	DN125 (flanged)	250.0	40mm	£1,121.00
VXF32.150	3-port seat, PN10, -10*/150°C	DN150 (flanged)	400.0	40mm	£1,397.00

Continued overleaf...

*NOTE: if below 5°C on VXG41/ VXF32, spindle heater is required.



VXG44.20...



VXG41.50...



VXF32.100...

2-Port Linear HTHW & Steam Valves

Part No	Description	Size	Kvs (m ³ /h)	Stroke	Retail Price
VVF53.15-1.25	2-port seat, PN25, -20/220°C	DN15 (flanged)	1.25	20mm	£288.00
VVF53.15-1.6	2-port seat, PN25, -20/220°C	DN15 (flanged)	1.6	20mm	£288.00
VVF53.15-2	2-port seat, PN25, -20/220°C	DN15 (flanged)	2.0	20mm	£288.00
VVF53.15-2.5	2-port seat, PN25, -20/220°C	DN15 (flanged)	2.5	20mm	£288.00
VVF53.15-3.2	2-port seat, PN25, -20/220°C	DN15 (flanged)	3.2	20mm	£288.00
VVF53.15-4	2-port seat, PN25, -20/220°C	DN15 (flanged)	4.0	20mm	£288.00
VVF53.20-6.3	2-port seat, PN25, -20/220°C	DN20 (flanged)	6.3	20mm	£314.00
VVF53.25-5	2-port seat, PN25, -20/220°C	DN25 (flanged)	5.0	20mm	£333.00
VVF53.25-6.3	2-port seat, PN25, -20/220°C	DN25 (flanged)	6.3	20mm	£333.00
VVF53.25-8	2-port seat, PN25, -20/220°C	DN25 (flanged)	8.0	20mm	£333.00
VVF53.25-10	2-port seat, PN25, -20/220°C	DN25 (flanged)	10.0	20mm	£333.00
VVF53.32-16	2-port seat, PN25, -20/220°C	DN32 (flanged)	16	20mm	£412.00
VVF53.40-12.5	2-port seat, PN25, -20/220°C	DN40 (flanged)	12.5	20mm	£482.00
VVF53.40-16	2-port seat, PN25, -20/220°C	DN40 (flanged)	16.0	20mm	£482.00
VVF53.40-20	2-port seat, PN25, -20/220°C	DN40 (flanged)	20.0	20mm	£482.00
VVF53.40-25	2-port seat, PN25, -20/220°C	DN40 (flanged)	25.0	20mm	£482.00
VVF53.50-40	2-port seat, PN25, -20/220°C	DN50 (flanged)	40.0	20mm	£660.00



VVF53.15...



VVF53.40...

Linear Valve Actuators

Part No	Thrust	Features	*To suit...	Retail Price
SAS31.00	400N	230v, 3-position, 120s running time	5.5mm valves	£165.00
SAS31.03	400N	230v, 3-position, 30s running time	5.5mm valves	£185.00
SAS31.50	400N	230v, 3-position, spring-return, 120s running time	5.5mm valves	£299.00
SAS31.53	400N	230v, 3-position, spring-return, 30s running time	5.5mm valves	£299.00
SAS81.00	400N	24v, 3-position, 120s running time	5.5mm valves	£165.00
SAS81.03	400N	24v, 3-position, 30s running time	5.5mm valves	£185.00
SAS61.03	400N	24v, 0-10v, 30s running time	5.5mm valves	£194.00
SAS61.53	400N	24v, 0-10v, spring return 30s running time	5.5mm valves	£337.00
SAX31.00	800N	230v, 3-position, 120s running time	20mm valves	£296.00
SAX31.03	800N	230v, 3-position, 30s running time	20mm valves	£318.00
SAX81.00	800N	24v, 3-position, 120s running time	20mm valves	£296.00
SAX61.03	800N	24v, 0-10v, 30s running time	20mm valves	£379.00
SKD32.50	1000N	230v, 3-position, 120s running time	20mm valves	£480.00
SKD32.51	1000N	230v, 3-position, spring return, 120s running time	20mm valves	£576.00
SKD82.50	1000N	24v, 3-position, 120s running time	20mm valves	£480.00
SKD82.51	1000N	24v, 3-position, spring return, 120s running time	20mm valves	£576.00
SKD60	1000N	24v, 0-10v, 30s running time	20mm valves	£444.00
SKD62	1000N	24v, 0-10v, spring return, 30s running time	20mm valves	£518.00
SKB32.50	2800N	230v, 3-position, 120s running time	20mm valves	£816.00
SKB32.51	2800N	230v, 3-position, spring return, 120s running time	20mm valves	£979.00
SKB82.50	2800N	24v, 3-position, 120s running time	20mm valves	£816.00
SKB82.51	2800N	24v, 3-position, spring return, 120s running time	20mm valves	£979.00
SKB60	2800N	24v, 0-10v, 30s running time	20mm valves	£890.00
SKB62	2800N	24v, 0-10v, spring return, 30s running time	20mm valves	£1,058.00
SKC32.60	2800N	230v, 3-position, 120s running time	40mm valves	£910.00
SKC32.61	2800N	230v, 3-position, spring return, 120s running time	40mm valves	£1,069.00
SKC82.60	2800N	24v, 3-position, 120s running time	40mm valves	£909.00
SKC82.61	2800N	24v, 3-position, spring return, 120s running time	40mm valves	£1,069.00
SKC60	2800N	24v, 0-10v, 30s running time	40mm valves	£990.00
SKC62	2800N	24v, 0-10v, spring return, 30s running time	40mm valves	£1,151.00

*NOTE: 1) Suitability of actuator depends upon max differential pressure; please check before ordering.
2) SAX... actuators operate to a maximum of 130°C.



SAS31.03



SAX81.00



SKB32.50



SKC.62



ASK30

Accessories for Linear Valve Actuators

Part No	Description	To Suit...	Retail Price
ASK30	Linkage kit for obsolete VXG45... valve	SAS... actuators	£50.00
ASC10.51	Auxiliary switch (single)	SA... actuators	£48.00
ASC9.3	Auxiliary switch (double)	SKD/B/C 32 & 82	£100.00
ASC1.6	Auxiliary switch (single)	SKD/B/C 62	£42.00
ASK50	Stroke inverter	SKD... actuators	£430.00
ASK51	Stroke inverter	SKB... actuators	£546.00

2-Port Pressure-Independent Control Valves (c/w pressure test points)

Part No (PN25)	Size (bspf)	Vmin (l/h)	V100 (l/h)	STA...3.../ STP...3...1		SSA...		SAY...P		Retail Price
				ΔPmin kPa	ΔPmax kPa	ΔPmin kPa	ΔPmax kPa	ΔPmax kPa	ΔPmax kPa	
VPI46.15L0.2Q	½"	30	200	16	600	16	600	-	-	£68.00
VPI46.15L0.6Q	½"	100	575	19	600	19	600	-	-	£68.00
VPI46.20F1.4Q	¾"	200	1,190	21	600	-	-	-	-	£79.00
		220	1,330	-	-	22	600	-	-	
VPI46.25F1.8Q	1"	238	1,530	39	600	-	-	-	-	£96.00
		280	1,800	-	-	39	600	-	-	
VPI46.32F4Q	1¼"	468	3,400	24	600	-	-	-	-	£161.00
		550	4,001	-	-	28	600	-	-	
VPI46.40F9.5Q	1½"	1,370	9,500	-	-	-	-	25	600	£473.00
VPI46.50F12Q	2"	1,400	11,500	-	-	-	-	36	600	£491.00



VPI46.20...

Part No (PN16)	Size (FL)	Vmin (m³/h)	V100 (m³/h)	SAX...P...		SQV...P...		SAV...P...		Retail Price
				ΔPmin kPa	ΔPmax kPa	ΔPmin kPa	ΔPmax kPa	ΔPmax kPa	ΔPmax kPa	
VPF44.50F15	DN50	2.9	15.9	*	600	*	600	-	-	£755.00
VPF44.50F25	DN50	4.2	26.2	*	600	*	600	-	-	£755.00
VPF44.65F25	DN65	4	28	*	600	*	600	-	-	£1,147.00
VPF44.65F35	DN65	5.1	35.8	*	600	*	600	-	-	£1,147.00
VPF44.80F35	DN80	5.5	36.7	*	600	*	600	-	-	£1,298.00
VPF44.80F45	DN80	7.2	47.9	*	600	*	600	-	-	£1,298.00
VPF44.100F70	DN100	12.1	68	-	-	*	600	*	600	£1,404.00
VPF44.100F90	DN100	14.8	90	-	-	*	600	*	600	£1,404.00
VPF43.125F110	DN125	18.5	110	-	-	*	600	*	600	£4,326.00
VPF43.125F135	DN125	23	135	-	-	*	600	*	600	£4,326.00
VPF43.150F160	DN150	25.6	148	-	-	*	600	*	600	£4,543.00
VPF43.150F200	DN150	32	195	-	-	*	600	*	600	£4,543.00

* Please see p8. of datasheet: available on request



VPF43.50...



VPF43.150...

Pressure-Independent Control Valve Actuators

Part No	Description	Thrust	Stroke	Features	Retail Price
STA23	Electrothermal actuator	100N	4.5mm	230v, 2-position	£31.00
STA73	Electrothermal actuator	100N	4.5mm	24v, 2-position	£31.00
STA63	Electrothermal actuator	100N	4.5mm	24v, 0-10v modulating	£61.00
SSA331.00	Electric actuator	100N	5.5mm	230v, 3-position	£60.00
SSA131.00	Electric actuator	100N	5.5mm	24v, 3-position	£55.00
SSA61.05HF	Electric actuator	100N	5.5mm	24v, 0-10v modulating	£87.00
SAY81P03	Electric actuator	200N	20mm	24v, 3-position	£253.00
SAY61P03	Electric actuator	200N	20mm	24v, 0-10v modulating	£301.00
SAX81P03	Electric actuator	500N	20mm	24v, 3-position	£282.00
SAX61P03	Electric actuator	500N	20mm	24v, 0-10v modulating	£341.00
SQV91P30	Electric actuator	1100N	20mm	24v, 0-10v modulating	£814.00
SQV91P40	Electric actuator	1100N	40mm	24v, 0-10v modulating	£814.00
SAV31P00	Electric actuator	1100N	40mm	230v, 3-position	£515.00
SAV81P00	Electric actuator	1100N	40mm	24v, 3-position	£513.00
SAV61P00	Electric actuator	1100N	40mm	24v, 0-10v modulating	£550.00



STA73



SAY81P03

Magnetic Valves

Part No	Description	Size	Kvs (m³/h)	Features	Retail Price
MXG461.15-3/C	3-port, PN16, +1/+130°C	½" bspf	3.0	24vAC/DC, 0-10v	£725.00
MXG461.20-5/C	3-port, PN16, +1/+130°C	¾" bspf	5.0	24vAC/DC, 0-10v	£780.00
MXG461.25-8/C	3-port, PN16, +1/+130°C	1" bspf	8.0	24vAC/DC, 0-10v	£872.00
MXG461.32-12/C	3-port, PN16, +1/+130°C	1¼" bspf	12.0	24vAC/DC, 0-10v	£944.00
MXG461.40-20/C	3-port, PN16, +1/+130°C	1½" bspf	20.0	24vAC/DC, 0-10v	£1,018.00
MXG461.50-30/C	3-port, PN16, +1/+130°C	2" bspf	30.0	24vAC/DC, 0-10v	£1,089.00
MXF461.65-50	3-port, PN16, +1/+130°C	DN65 (flanged)	50.0	24vAC/DC, 0-10v	£1,616.00
M3P80FY	3-port, PN16, +1/+120°C	DN80 (flanged)	80.0	24vAC, 0-10v	£2,255.00
M3P100FY	3-port, PN16, +1/+120°C	DN100 (flanged)	100.0	24vAC, 0-10v	£2,947.00

NOTE: The above products are sold as a complete valve & actuator unit. The elements cannot be sold separately.

MXG461.25...



Signal Converter

Part No	Description	Retail Price
SEZ91.6	0-20v to 0-10v converter (min. 3-wire)	£87.00

Note on replacing phase-cut magnetic valve units with 0-10v:

- 1) New valve units require 3 wires; older models had only 2.
- 2) New valve units are physically taller than their predecessors.
- 3) Power supply units sold separately.



SEZ91.6

Spartan Controls can offer the full range of Sontay products. Please contact the office for a quote for any item not listed.

Carbon Dioxide Sensors

Part No	Description	Range	Retail Price
GS-CO2-S	Space CO2 & temperature sensor	0-2000ppm	£167.83
GS-CO2-S-UN	Space CO2 sensor	0-2000ppm	£110.73
GS-CO2-D	Duct CO2 & temperature sensor	0-2000ppm	£251.75
GS-CO2-D-UN	Duct CO2 sensor	0-2000ppm	£151.51

Other gas sensors are available, including Carbon Monoxide, Nitrogen Dioxide & Sulphur Dioxide.



GS-CO2-S

Light Level & Occupancy Sensors

Part No	Description	Retail Price
LL-P-V	External light level sensor	£58.51
LL-C-V	Ceiling mounted internal light level sensor	£65.02
LL-C-M	230Vac flush ceiling mounted light level & occupancy controller	£77.73
OC-C-LVN	Ceiling-mounted PIR occupancy detector	£40.82
OC-W-LV	Wall-mounted PIR occupancy detector	£38.50
OC-C-M	Ceiling-mounted microwave occupancy detector	£54.33
GS-CO2-D-UN	Duct CO2 sensor	£151.51



LL-C-M

Multi-Configurable Air DP Sensors

Part No	Selectable Range (uni-directional) Pa	Selectable Range (bi-directional) Pa	Selectable Outputs	Retail Price
PA-65-0	0-50, 100, 150, 200	±50, ±100, ±150, ±200	0-5vDC, 0-10vDC, 4-20mA	£129.39
PA-65-1	0-250, 500, 750, 1000	±250, ±500, ±750, ±1000	0-5vDC, 0-10vDC, 4-20mA	£129.39
PA-65-2	0-750, 1500, 2250, 3000	±750, ±1500, ±2250, ±3000	0-5vDC, 0-10vDC, 4-20mA	£129.39

Other options are available; please contact the office for anything not listed.

Relative Humidity & Temperature Sensors

Part No	Description	Output Range (temp °C)	Output Range (Humidity %)	Retail Price
RH-S	Space RH & temp sensor (±3%)	0/40	0-100	£105.78
RH-S-UN	Space RH single analogue output	-	0-100	£70.53
RH-D	Duct RH & temp sensor (±3%)	-20/50	0-100	£132.74
RH-D-UN	Duct RH single analogue output	-	0-100	£88.15



RH-D

Other options are available; please contact the office for anything not listed.

Passive Temperature Sensors

Part No	Type	Description	Retail Price
TT-D-A	Duct	10K3A1, Trend, Cylon, Distech	£12.29
TT-O-A	Ouside	10K3A1, Trend, Cylon, Distech	£10.99
TT-I-A	Immersion	10K3A1, Trend, Cylon, Distech	£13.59
TT-C-A	Clamp-on	10K3A1, Trend, Cylon, Distech	£15.35
TT-555-A	Flying Lead	10K3A1, Trend, Cylon, Distech	£5.83
TT-S-A	Space	10K3A1, Trend, Cylon, Distech	£6.78
TT-BB-A	Black Bulb	10K3A1, Trend, Cylon, Distech	£20.04



TT-BB-A

Accessories to Suit

TT-PO-521	Stainless steel 150mm immersion pocket	£10.04
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Other options are available, including a variety of thermistor types and active output models. Please contact the office for anything not listed.

Temperature Sensors

Part No	Description	Range	Features	Retail Price
TB/TS	Space sensor	0/+40°C	IP65	£24.95
TB/TS/K	Space sensor (adjustable)	0/+40°C	IP65, c/w adjusting knob	£51.63
TB/TO	Outside sensor	-30/+50°C	IP67	£46.00
TB/TC	Clamp-on sensor	-30/+100°C	IP67, c/w jubilee clip	£58.13
TB/TI-S	Immersion/duct sensor	-30/+110°C	IP67, short: 150mm	£49.23
TB/TI-L	Duct sensor	-30/+110°C	IP67, long: 400mm	£54.63
T/TFR-4	Fly lead sensor	-10/+50°C	IP67, 4m lead	£23.29
WB150	Brass pocket	N/A	150mm	£29.79
WS150	Stainless steel pocket	N/A	150mm	£47.52

Only the most common items have been listed above. Please contact the office for prices on anything not listed.



TB/TI..., T/TFR...

Temperature & Humidity Sensors

Part No	Type	Features	Retail Price
HT/S/2%	Space	±2% humidity accuracy over 30 to 75% RH	£384.05
HT/S	Space	±3% humidity accuracy over 30 to 75% RH	£265.39
LFH10 - 2B65	Duct	±3% humidity accuracy over 10 to 90% RH, 0 - 10V output, NTC10kohm	£296.11

Only the most common items have been listed above. Please contact the office for prices on anything not listed.



HT/S...

Other Sensors

Part No	Description	Range	Retail Price
CO2/T/S	Temp & CO ₂ sensor	0/+50°C/ 0-2000 ppm	£731.45
CO2/T/D	Temp & CO ₂ sensor	0/+50°C/ 0-2000 ppm	£663.73

Only the most common items have been listed above. Please contact the office for prices on anything not listed.



CO2/T...

Air Pressure Sensors & Switches

Part No	Description	Range	Features	Retail Price
DPTE252	Air pressure sensor	0/250pa	4-20mA	£283.39
DPTE502	Air pressure sensor	0/500pa	4-20mA	£283.39
DPTE50S	Air pressure sensor	-50/+50pa	0-10v, 4-20mA	£283.39
DPTE500S	Air pressure sensor	-500/+500pa	0-10v, 4-20mA	£283.39
DPS200	Air pressure switch	20/200pa		£48.51
DPS400	Air pressure switch	40/400pa		£48.51

Only the most common items have been listed above. Please contact the office for prices on anything not listed.



DPTE50S

Liquid Pressure Sensors & Switches

Part No	Description	Range	Features	Retail Price
DPSL/200	Liquid pressure switch	40/200 mbar		£322.00
DPSL/1000	Liquid pressure switch	150/1000 mbar		£322.00

Only the most common items have been listed above. Please contact the office for prices on anything not listed.

Control Modules

Part No	Description	Features	Retail Price
2RM/24VAC	2 relay module	24v, din rail mounting	£106.95
3RM/24VAC	3 relay module	24v, din rail mounting	£128.93
4DIX/24VAC	4 digital input expander module	24v, din rail mounting	£142.14

Only the most common items have been listed above. Please contact the office for prices on anything not listed.



4DIX/24VAC

**Catalogue
(Pumps Section)****Contact Information:**

Address: Spartan Controls Ltd
Waterside
Tomo Trading Estate
Packet Boat Lane
Cowley, Uxbridge
Middlesex
UB8 2JP

Website: www.spartans.co.uk
Telephone: 01895 440428
Email: pumps@spartans.co.uk

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Other Manufacturers

Spartan Controls also supplies products from the following pump manufacturers:

ABS • ARMSTRONG • BIRAL • CRANE • FLYGT • GOULDS
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Controls Division

Spartan Controls are also stockists and distributors for a range of HVAC control products and meters.

Please contact the sales office for details:

Tel: 01895 446788 Email: sales@spartans.co.uk
meters@spartans.co.uk

PLEASE NOTE: This catalogue is for guidance purposes only. Prices and information contained herein cannot be guaranteed under any circumstances and are liable to change without prior notice.

Please contact the office for quotations or with any queries.

Spartan Controls' terms and conditions apply at all times - please contact the office for a copy.

Spartan Cold Water Booster Sets

- For industrial and commercial applications
- Single, twin or multiple pump sets
- Flow rates up to 40 l/s
- Pressures up to 15 Bar
- 1450 RPM model available

Please contact the office for a tailored quote.

Additional options:-

- Inverter-controlled pumps
- Pressure-regulating valves for switch-controlled models
- Built-in dry run protection
- Suction break-tank low-level switch
- Anti-vibration mountings
- Flexible pipe connections



Single pump, inverter-controlled



Twin pump, inverter-controlled



Three pump, inverter-controlled

Aquarius Water Booster System

- Digital accuracy, intelligent proactive electronic control
- Low energy consumption
- Ultra-compact, low noise
- Suits a wide range of pressure and flow rates
- Innovative leak-proof design
- Structurally reinforced, frost-proof tank
- Stainless steel pump
- Quick and simple installation
- Meets current water bye-law requirements
- Supplied with separate expansion vessel

Please contact the office for a tailored quote.



Connections:
 Supply: ¾" bspm
 Discharge: 1" bspf
 Overflow: 1½"

Electrical:
 220-240vAC

Dimensions (WxHxD):
 595mm x 845mm x 585mm

Spartan Pressurisation Units - Prices

Part No	Reference	Features	Details	Retail Price
Aquamaster Standard	230-1020	Wall-mounted, enclosed, compact unit	See below	£664.20
Aquamaster Micro - Single	230-1030	Wall-mounted, enclosed, microprocessor-controlled, single pump	See below	£862.92
Aquamaster Micro - Twin	230-1010	Wall-mounted, enclosed, microprocessor-controlled, twin pump	See below	£1,190.16
Aquafil WM2/30	230-1150	Wall-mounted, enclosed, single pump, for larger systems	See page P3	£832.68
Aquafil WM2/30/Micro	230-1140	As WM2/30, microprocessor-controlled	See page P3	£1,077.84
Aquafil SU1	230-1060	Floor-standing, enclosed, single pump unit	See page P3	£789.48
Aquafil SU1 Micro	230-1070	Floor-standing, enclosed, microprocessor-controlled, single pump	See page P3	£1,105.92
Aquafil SU2	230-1080	Floor-standing, enclosed, twin pump unit	See page P3	£1,208.52
Aquafil SU2 Micro	230-1110	Floor-standing, enclosed, microprocessor-controlled, twin pump	See page P3	£1,391.04
Spartan SPA-BASE	230-1040	Floor-standing, open, single pump	See page P4	£788.40
Spartan SPA-BASE KIT	N/A	High/low pressure kit to suit SPA-BASE	See page P4	£97.20

Note: prices for Aquafil SU and Spartan SPA-BASE units do not include cost of expansion vessels, which must be sized and purchased separately. Please see page P4 for details.

Spartan Aquamaster Wall-Mounted Pressurisation Sets

The Spartan Aquamaster sets are compact, sealed, wall-mounted units ideal for low volume systems. They can be connected quickly and easily on site in even the most confined spaces, and can be supplied with duplicate pumps for standby operation.

Standard options include:-

Aquamaster Standard (230-1020) - Supplied with break tank, valve and single fully rated pump, volt-free contacts for high/low pressure, pressure and mains power switches and pressure gauge.

Aquamaster Micro Single (230-1030) - Supplied as above, but with microprocessor control.

Aquamaster Micro Twin (230-1010) - Supplied with twin pumps and microprocessor control.

Please see table above for prices.

Specification:

Fill pressure:	0.5 - 4.0 Bar
Electrical:	240v, 1-phase
Full load current (FLC):	1A
Weight:	8Kg
Dimensions (HxWxD):	320mm x 355mm x 205mm



Outside view (Micro)



Inside view (Micro)

Spartan Aquafil WM2/30 Wall-Mounted Pressurisation Units

The Spartan WM2/30 (230-1150) is a wall-mounted, packaged sealed pressurisation unit for larger systems.

The unit is supplied complete with indication for power, low water level and high/low pressure, a control board for connection to boiler/chiller interlock, a fully rated pump and break tank and valve.

Standard models and microprocessor-controlled models are available.

Please see table on page P2 for prices.

Specification:

Fill pressure:	0.5 - 2.5 Bar
Electrical:	240v, 1-phase
Full low current (FLC):	2.5A
Weight:	44Kg
Dimensions (LxHxD):	606mm x 530mm x 355mm



Outside view (Micro)



Inside view (Standard)

Spartan Aquafil "SU" Pressurisation Units

The Spartan "SU" pressurisation units are floor-standing units with visual indication for high/low pressure, power and water level. The units are fully enclosed within a steel cabinet.

Standard options include:-

- SU1** - single pump unit. A larger pump can be supplied for higher pressure.
- SU1 Micro** - single pump unit with microprocessor control (LCD display of pressure, volt-free contacts, service reminder).
- SU2** - twin pump unit for standby operation with pump selection switch for duty control.
- SU2 Micro** - twin pump unit with microprocessor control (LCD display of pressure, volt-free contacts, service reminder, automatic pump rotation).

Please see table on page P2 for standard pressurisation unit prices. Please note that these prices do not include the cost of expansion vessels, which must be sized and purchased separately. Please see page P4 for details.

Non-standard options include a 3-phase supply and minimum-run timers. Please contact the office for a tailored quote.

Specification:

Fill pressure:	0.5-3.0 Bar
Electricity supply:	240v, 1-phase
Full low current (FLC):	2.6A
Weight:	SU1: 44Kg SU2: 50Kg
Dimensions (LxHxD):	480mm x 900mm x 480mm



Outside view (Micro)



Inside "SU1 Micro"



Inside "SU2 Micro"

Spartan “Spa-Base” Open Pressurisation Unit

The Spartan “Spa-Base” unit is an open pressurisation unit supplied complete with break tank and valve, single pump, a fused-spur power switch and a system pressure gauge.

A high/low pressure kit to suit the unit is also available.

Please see table on page P2 for prices. Please note that prices do not include the cost of the expansion vessel, which must be sized and purchased separately. Please see table below for details.

Other non-standard options include 3-phase supply and higher-head pumps for cold fill pressures above 3.0 Bar. Please contact the office for a tailored quote.

Specification:

Fill pressure: 0.5 - 3.0 Bar
 Electrical: 240v, 1-phase
 Full load current (FLC): 2.6A
 Connections:
 Water supply: ½” bsp
 System: ½” bsp
 Weight: 25Kg
 Dimensions (LxHxD):
 710mm x 425mm x 450mm



Spartan “Spa-Base” Unit

“RD” Series Expansion Vessels

For use on heating, chilled & potable water systems 0-99°C

Part No	Pressure Rating	Volume	Connection	Height	Diameter	Retail Price
RD5	10 Bar	5 litres	¾”	316 mm	160 mm	£48.00
RD8	10 Bar	8 litres	¾”	321 mm	200 mm	£50.00
RD18	10 Bar	18 litres	¾”	379 mm	274 mm	£66.00
RD24V	10 Bar	24 litres	1”	450 mm	300 mm	£73.00
RD24H	10 Bar	24 litres	1”	480 mm	270 mm	£73.00
RD60	10 Bar	60 litres	1”	860 mm	380 mm	£166.00
RD80	10 Bar	80 litres	1”	800 mm	450 mm	£245.00
RD100	10 Bar	100 litres	1”	960 mm	450 mm	£288.00
RD200	10 Bar	200 litres	1½”	1280 mm	550 mm	£466.00
RD300	10 Bar	300 litres	1½”	1430 mm	630 mm	£595.00
RD500	10 Bar	500 litres	1½”	1610 mm	750 mm	£855.00
RD750	10 Bar	750 litres	1½”	2267 mm	750 mm	£1,421.00
RD24H16	16 Bar	24 litres	1”	480 mm	270 mm	£POA
RD24V16	16 Bar	24 litres	1”	450 mm	300 mm	£POA
RD100V16	16 Bar	100 litres	1”	960 mm	450 mm	£POA
RD200V16	16 Bar	200 litres	1½”	1280 mm	550 mm	£POA
RD300V16	16 Bar	300 litres	1½”	1430 mm	630 mm	£POA
RD500V16	16 Bar	500 litres	1½”	1610 mm	750 mm	£POA
RD750V16	16 Bar	750 litres	1½”	2267 mm	750 mm	£POA
RD1000V16	16 Bar	1000 litres	1½”	2080 mm	850 mm	£POA



“RD” 10 Bar



“RD” 16 Bar

Pressurisation Unit Replacement Pumps

Part No	Description	Retail Price
Hydra PKM80-1	230v, 5 Bar	£203.00
Hydra PM16A	230v, 3.5 Bar	£213.00
Lowara PABLRM15	230v, 4 Bar	£472.00
Lowara PSAM70/A	230v, 4 Bar	£POA
EP77 Aquamaster Pump	230v	£108.00



Hydra PKM80-1

Safety Valves, Gauges and Accessories

Part No	Description	Range	Retail Price
AAV1	3/8" automatic air vent	110°C	£23.10
SV15	1/2" pressure safety valve	3 Bar	£29.20
SV22	3/4" pressure safety valve	3 Bar	£48.30
SV25	1" pressure safety valve	3 Bar	£59.40
SPG-1	1 1/2" dial pressure gauge	0-6 Bar	£10.70
SPTG-1	Temperature/ pressure gauge	0-120°C/ 0-6 Bar	£45.10
STG-1	Horizontal temperature gauge	0-120°C	£27.00
SSVG-1	1/2" safety valve & gauge	3 Bar/ 0-6 Bar gauge	£22.40
SPT1	Strap-on thermometer	0-120°C	£21.30
37001	1/4" MI pressure switch	0-6 Bar	£52.50

Liquid Level Switches

Part No	Description	Electric	Features	Retail Price
MAC3	Vertical 5m cable	240v 10(4)A	Suspended by own cable	£65.10
SWFS-LEV1	Horizontal	230v 15(8)A	1" bsp horizontal	£108.15
MINIMATIC	Horizontal	230v 10(4)A	WRAS approved, 5m cable	£109.15



MAC3

Pressure Reducing Valves

Part No	Size	Max Pressure	Max Temp	Length	Height	Retail Price
D06F-1B	1"	25 Bar (in), 1.5-6 Bar (out - adjustable)	40°C	180 mm	175 mm	£173.88
D06F-11/4B	1 1/4"	26 Bar (in), 1.5-6 Bar (out - adjustable)	40°C	200 mm	175 mm	£232.10
D06F-11/2B	1 1/2"	27 Bar (in), 1.5-6 Bar (out - adjustable)	40°C	225 mm	299 mm	£389.11
D06F-2B	2"	28 Bar (in), 1.5-6 Bar (out - adjustable)	40°C	255 mm	299 mm	£439.82

Accessories to Suit

M07M-10	Back-entry pressure gauge, 0-10 Bar, 63mm dial	£25.00
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D06F...

Screwed Counter-Flange Sets

Part No	Description	Features	Retail Price
FL40-1.5	40mm PN16 x 1 1/2" bsp flange set	C/w nuts, bolts & gaskets	£POA
FL50-2	50mm PN16 x 2" bsp flange set	C/w nuts, bolts & gaskets	£POA
FL65-2.5	65mm PN16 x 2 1/2" bsp flange set	C/w nuts, bolts & gaskets	£POA
FL80-3	80mm PN16 x 3" bsp flange set	C/w nuts, bolts & gaskets	£POA
FL100-4	100mm PN16 x 4" bsp flange set	C/w nuts, bolts & gaskets	£POA

Flexible Connections (Untied)

(PN16 or PN6 available)

Part No	Size	Max Pressure	Max Temp	Installed Length Range	Travel Length Range	Retail Price
FLEX32	32 mm	16 Bar	100°C	116 - 130mm	113 - 135mm	£61.00
FLEX40	40 mm	16 Bar	100°C	116 - 130mm	113 - 135mm	£78.00
FLEX50	50 mm	16 Bar	100°C	116 - 130mm	113 - 135mm	£85.00
FLEX65	65 mm	16 Bar	100°C	116 - 130mm	113 - 135mm	£101.00
FLEX80	80 mm	16 Bar	100°C	116 - 130mm	113 - 135mm	£121.00
FLEX100	100 mm	16 Bar	100°C	116 - 130mm	113 - 135mm	£150.00



FLEX50

Note: tied flexible connections are available. Please contact the office for details.

Spartan Controls can supply the full range of Grundfos pump equipment. Please contact the office for any products not listed, or for a tailored quote.

Hot Water Service Circulators - WRAS Approved

Part No	Description	Connection	Supply	Reference	Retail Price
ALPHA2 15-50N	1 ph, 50Hz	No fittings; see below	230v	99415696	£POA
UPS15-50N	1 ph, 50Hz	No fittings; see below	230v	97549426	£423.00
UP20-07N	1 ph, 50Hz	No fittings; see below	230v	98057201	£417.00
UP20-15N	1 ph, 50Hz	No fittings; see below	230v	98057205	£463.00
UP20-30N	1 ph, 50Hz	No fittings; see below	230v	98057221	£478.00
UP20-45N	1 ph, 50Hz	No fittings; see below	230v	98057222	£519.00
UPS25-55N	1 ph, 50Hz	No fittings; see below	230v	95906772	£705.00
UPS25-80N	1 ph, 50Hz	No fittings; see below	230v	98057227	£845.00
UPS32-55N	1 ph, 50Hz	No fittings; see below	230v	95906773	£976.00
UPS32-80N	1 ph, 50Hz	No fittings; see below	230v	98057247	£1,115.00
UPS32-100N	1 ph, 50Hz	No fittings; see below	230v	98057249	£1,205.00
UPS40-50FN	1 ph, 50Hz	No fittings; see below	230v	98057242	£1,219.00
UPS40-80FN	1 ph, 50Hz	No fittings; see below	230v	95906774	£1,464.00



UPS15...

Comfort Hot Water Service Circulators (for use in pressurized HWS circulation circuits)

Part No	Description	Supply	Reference	Retail Price
UP15-14 B PM GB	Comfort (secondary) 1 ph, 50Hz	230v	99164484	£280.00
UP15-14 BA PM GB	Comfort (secondary) c/w auto adapt, 1 ph, 50Hz	230v	99164487	£462.00



Comfort UP15

Unions and Valve Sets

Part No	Description	To suit...	Retail Price
529982	¾" bsp brass union set	UP20N, Comfort UP20	£47.00
519801	22mm isolating valve	UP20N	£44.00
529972	1" bsp brass union set	UPS15N, UPS25N, TP25-xx/2 RS	£19.00
509971	1¼" bsp brass union set	UPS32N, TP32-xx/2 RS	£122.00
99672022	G1½ x RP1 CI FZG union set	UPS2 25-80, Magna1/3 25, TP25	£14.00
529821	1¼" bsp special union set	UPS2 25-80, Magna1/3 25, TP25	£52.00
99672033	G2 x RP1½ CI FZG union set	UPS2 32-80, Magna1/3 32, TP32	£14.00
539910	1½" bsp PN10 bronze flange set	UP40FB	£1,156.00

Single Head MAGNA1 Variable Speed Circulators

Part No	Size	Supply	Reference	Retail Price
MAGNA1 25-40	1½" bspm	230v	99221216	£633.00
MAGNA1 25-60	1½" bspm	230v	99221217	£751.00
MAGNA1 25-80	1½" bspm	230v	99221213	£855.00
MAGNA1 25-100	1½" bspm	230v	99221214	£947.00
MAGNA1 25-120	1½" bspm	230v	99221215	£1,065.00
MAGNA1 32-40	2" bspm	230v	99221233	£779.00
MAGNA1 32-60	2" bspm	230v	99221234	£910.00
MAGNA1 32-80	2" bspm	230v	99221235	£947.00
MAGNA1 32-100	2" bspm	230v	99221236	£1,040.00
MAGNA1 32-40F	32mm (flanged)	230v	99221263	£857.00
MAGNA1 32-60F	32mm (flanged)	230v	99221269	£1,002.00
MAGNA1 32-80F	32mm (flanged)	230v	99221275	£1,052.00
MAGNA1 32-100F	32mm (flanged)	230v	99221237	£1,211.00
MAGNA1 32-120F	32mm (flanged)	230v	99221285	£1,618.00
MAGNA1 40-40F*	40mm (flanged)*	230v	99221291	£1,067.00
MAGNA1 40-60F*	40mm (flanged)*	230v	99221292	£1,171.00
MAGNA1 40-80F*	40mm (flanged)*	230v	99221303	£1,550.00
MAGNA1 40-100F*	40mm (flanged)*	230v	99221304	£1,767.00
MAGNA1 40-120F	40mm (flanged)	230v	99221305	£1,961.00
MAGNA1 40-150F	40mm (flanged)	230v	99221306	£2,396.00
MAGNA1 40-180F	40mm (flanged)	230v	99221307	£2,755.00

Continued overleaf...



MAGNA 1 Single Head

Single Head MAGNA1 Variable Speed Circulators (continued)

Part No	Size	Supply	Features	Reference	Retail Price
MAGNA1 50-60F	50mm (flanged) **	230v	1ph, 50 Hz	99221333	£2,082.00
MAGNA1 50-80F	50mm (flanged)	230v	1ph, 50 Hz	99221334	£2,291.00
MAGNA1 50-100F	50mm (flanged)	230v	1ph, 50 Hz	99221335	£2,426.00
MAGNA1 50-120F	50mm (flanged)	230v	1ph, 50 Hz	99221336	£2,560.00
MAGNA1 50-150F	50mm (flanged)	230v	1ph, 50 Hz	99221337	£2,950.00
MAGNA1 50-180F	50mm (flanged)	230v	1ph, 50 Hz	99221338	£3,460.00
MAGNA1 65-40F	65mm (flanged)	230v	1ph, 50 Hz	99221382	£2,216.00
MAGNA1 65-60F	65mm (flanged)	230v	1ph, 50 Hz	99221371	£2,531.00
MAGNA1 65-80F	65mm (flanged)	230v	1ph, 50 Hz	99221372	£2,755.00
MAGNA1 65-100F	65mm (flanged)	230v	1ph, 50 Hz	99221373	£2,906.00
MAGNA1 65-120F	65mm (flanged)	230v	1ph, 50 Hz	99221374	£3,114.00
MAGNA1 65-150F	65mm (flanged)	230v	1ph, 50 Hz	99221375	£3,592.00
MAGNA1 80-60F	80mm (flanged)	230v	1ph, 50 Hz	99221406	£2,921.00
MAGNA1 80-80F	80mm (flanged)	230v	1ph, 50 Hz	99221407	£3,144.00
MAGNA1 80-100F	80mm (flanged)	230v	1ph, 50 Hz	99221408	£3,428.00
MAGNA1 80-120F	80mm (flanged)	230v	1ph, 50 Hz	99221409	£3,846.00
MAGNA1 100-40F	100mm (flanged)	230v	1ph, 50 Hz	99221438	£3,114.00
MAGNA1 100-60F	100mm (flanged)	230v	1ph, 50 Hz	99221439	£3,399.00
MAGNA1 100-80F	100mm (flanged)	230v	1ph, 50 Hz	99221440	£3,682.00
MAGNA1 100-100F	100mm (flanged)	230v	1ph, 50 Hz	99221441	£4,012.00
MAGNA1 100-120F	100mm (flanged)	230v	1ph, 50 Hz	99221442	£4,551.00

NOTE: Items marked */** may require spacer kits when replacing MAGNA or UPS/D models. Please see spacer kits listed on page P10.



MAGNA1 Single Head

Twin Head MAGNA1 Variable Speed Circulators

Part No	Size	Supply	Features	Reference	Retail Price
MAGNA1 D32-40	2" bspm	230v	1ph, 50 Hz	99221238	£1,528.00
MAGNA1 D32-60	2" bspm	230v	1ph, 50 Hz	99221239	£1,752.00
MAGNA1 D32-80	2" bspm	230v	1ph, 50 Hz	99221240	£1,924.00
MAGNA1 D32-100	2" bspm	230v	1ph, 50 Hz	99221241	£2,006.00
MAGNA1 D32-40F	32mm (flanged)	230v	1ph, 50 Hz	99221267	£1,684.00
MAGNA1 D32-60F	32mm (flanged)	230v	1ph, 50 Hz	99221273	£1,969.00
MAGNA1 D32-80F	32mm (flanged)	230v	1ph, 50 Hz	99221279	£2,005.00
MAGNA1 D32-100F	32mm (flanged)	230v	1ph, 50 Hz	99221242	£2,307.00
MAGNA1 D32-120F	32mm (flanged)	230v	1ph, 50 Hz	99221286	£3,273.00
MAGNA1 D40-40F	40mm (flanged) *	230v	1ph, 50 Hz	99221293	£2,098.00
MAGNA1 D40-60F	40mm (flanged) *	230v	1ph, 50 Hz	99221294	£2,180.00
MAGNA1 D40-80F	40mm (flanged) *	230v	1ph, 50 Hz	99221308	£3,084.00
MAGNA1 D40-100F	40mm (flanged) *	230v	1ph, 50 Hz	99221309	£3,401.00
MAGNA1 D40-120F	40mm (flanged)	230v	1ph, 50 Hz	99221310	£4,091.00
MAGNA1 D40-150F	40mm (flanged)	230v	1ph, 50 Hz	99221311	£4,608.00
MAGNA1 D40-180F	40mm (flanged)	230v	1ph, 50 Hz	99221312	£5,576.00
MAGNA1 D50-40F	50mm (flanged) **	230v	1ph, 50 Hz	99230357	£3,576.00
MAGNA1 D50-60F	50mm (flanged) **	230v	1ph, 50 Hz	99221339	£4,213.00
MAGNA1 D50-80F	50mm (flanged)	230v	1ph, 50 Hz	99221340	£4,636.00
MAGNA1 D50-100F	50mm (flanged)	230v	1ph, 50 Hz	99221341	£4,910.00
MAGNA1 D50-120F	50mm (flanged)	230v	1ph, 50 Hz	99221342	£5,182.00
MAGNA1 D50-150F	50mm (flanged)	230v	1ph, 50 Hz	99221343	£5,970.00
MAGNA1 D50-180F	50mm (flanged)	230v	1ph, 50 Hz	99221345	£7,001.00
MAGNA1 D65-40F	65mm (flanged)	230v	1ph, 50 Hz	99221376	£4,485.00
MAGNA1 D65-60F	65mm (flanged)	230v	1ph, 50 Hz	99221377	£5,122.00
MAGNA1 D65-80F	65mm (flanged)	230v	1ph, 50 Hz	99221378	£5,576.00
MAGNA1 D65-100F	65mm (flanged)	230v	1ph, 50 Hz	99221379	£5,879.00
MAGNA1 D65-120F	65mm (flanged)	230v	1ph, 50 Hz	99221380	£6,304.00
MAGNA1 D65-150F	65mm (flanged)	230v	1ph, 50 Hz	99221381	£7,155.00

Continued overleaf...



MAGNA1 Twin Head

Twin Head MAGNA1 Variable Speed Circulators (continued)

Part No	Size	Supply	Features	Reference	Retail Price
MAGNA1 D80-40F	80mm (flanged)	230v	1 ph, 50Hz	99230392	£5,365.00
MAGNA1 D80-60F	80mm (flanged)	230v	1 ph, 50Hz	99221414	£5,910.00
MAGNA1 D80-80F	80mm (flanged)	230v	1 ph, 50Hz	99221415	£6,365.00
MAGNA1 D80-100F	80mm (flanged)	230v	1 ph, 50Hz	99221416	£6,343.00
MAGNA1 D80-120F	80mm (flanged)	230v	1 ph, 50Hz	99221417	£7,119.00
MAGNA1 D100-40F	100mm (flanged)	230v	1 ph, 50Hz	99221448	£6,304.00
MAGNA1 D100-60F	100mm (flanged)	230v	1 ph, 50Hz	99221449	£6,880.00
MAGNA1 D100-80F	100mm (flanged)	230v	1 ph, 50Hz	99221450	£6,815.00
MAGNA1 D100-100F	100mm (flanged)	230v	1 ph, 50Hz	99221451	£7,424.00
MAGNA1 D100-120F	100mm (flanged)	230v	1 ph, 50Hz	99221452	£8,421.00

NOTE: Items marked */** may require spacer kits when replacing MAGNA or UPS/D models. Please see spacer kits listed on page P10.


MAGNA1 Twin Head
Single Head MAGNA3 Variable Speed Circulators

Part No	Size	Supply	Features	Reference	Retail Price
MAGNA3 25-40	1½" bspm	230v	1 ph, 50Hz	97924244	£692.00
MAGNA3 25-60	1½" bspm	230v	1 ph, 50Hz	97924245	£822.00
MAGNA3 25-80	1½" bspm	230v	1 ph, 50Hz	97924246	£939.00
MAGNA3 25-100	1½" bspm	230v	1 ph, 50Hz	97924247	£1,031.00
MAGNA3 25-120	1½" bspm	230v	1 ph, 50Hz	97924248	£1,158.00
MAGNA3 32-40	2" bspm	230v	1 ph, 50Hz	97924254	£850.00
MAGNA3 32-60	2" bspm	230v	1 ph, 50Hz	97924255	£995.00
MAGNA3 32-80	2" bspm	230v	1 ph, 50Hz	97924256	£1,041.00
MAGNA3 32-100	2" bspm	230v	1 ph, 50Hz	97924257	£1,130.00
MAGNA3 32-40F	32mm (flanged)	230v	1 ph, 50Hz	98333834	£938.00
MAGNA3 32-60F	32mm (flanged)	230v	1 ph, 50Hz	98333854	£1,096.00
MAGNA3 32-80F	32mm (flanged)	230v	1 ph, 50Hz	98333874	£1,156.00
MAGNA3 32-100F	32mm (flanged)	230v	1 ph, 50Hz	97924258	£1,317.00
MAGNA3 32-120F	32mm (flanged)	230v	1 ph, 50Hz	97924259	£2,187.00
MAGNA3 40-40F	40mm (flanged) *	230v	1 ph, 50Hz	97924266	£1,169.00
MAGNA3 40-60F	40mm (flanged) *	230v	1 ph, 50Hz	97924267	£1,273.00
MAGNA3 40-80F	40mm (flanged) *	230v	1 ph, 50Hz	97924268	£1,809.00
MAGNA3 40-100F	40mm (flanged) *	230v	1 ph, 50Hz	97924269	£1,992.00
MAGNA3 40-120F	40mm (flanged)	230v	1 ph, 50Hz	97924270	£2,280.00
MAGNA3 40-150F	40mm (flanged)	230v	1 ph, 50Hz	97924271	£2,704.00
MAGNA3 40-180F	40mm (flanged)	230v	1 ph, 50Hz	97924272	£3,109.00
MAGNA3 50-40F	50mm (flanged) **	230v	1 ph, 50Hz	97924280	£2,411.00
MAGNA3 50-60F	50mm (flanged) **	230v	1 ph, 50Hz	97924281	£2,841.00
MAGNA3 50-80F	50mm (flanged)	230v	1 ph, 50Hz	97924282	£3,126.00
MAGNA3 50-100F	50mm (flanged)	230v	1 ph, 50Hz	97924283	£3,309.00
MAGNA3 50-120F	50mm (flanged)	230v	1 ph, 50Hz	97924284	£3,494.00
MAGNA3 50-150F	50mm (flanged)	230v	1 ph, 50Hz	97924285	£4,025.00
MAGNA3 50-180F	50mm (flanged)	230v	1 ph, 50Hz	97924286	£4,720.00
MAGNA3 65-40F	65mm (flanged)	230v	1 ph, 50Hz	97924294	£3,023.00
MAGNA3 65-60F	65mm (flanged)	230v	1 ph, 50Hz	97924295	£3,453.00
MAGNA3 65-80F	65mm (flanged)	230v	1 ph, 50Hz	97924296	£3,759.00
MAGNA3 65-100F	65mm (flanged)	230v	1 ph, 50Hz	97924297	£3,964.00
MAGNA3 65-120F	65mm (flanged)	230v	1 ph, 50Hz	97924298	£4,250.00
MAGNA3 65-150F	65mm (flanged)	230v	1 ph, 50Hz	97924299	£4,476.00
MAGNA3 80-40F	80mm (flanged)	230v	1 ph, 50Hz	97924306	£3,616.00
MAGNA3 80-60F	80mm (flanged)	230v	1 ph, 50Hz	97924307	£3,984.00
MAGNA3 80-80F	80mm (flanged)	230v	1 ph, 50Hz	97924308	£4,291.00
MAGNA3 80-100F	80mm (flanged)	230v	1 ph, 50Hz	97924309	£4,289.00
MAGNA3 80-120F	80mm (flanged)	230v	1 ph, 50Hz	97924310	£4,813.00

Continued overleaf...


MAGNA 3 Single Head

Single Head MAGNA3 Variable Speed Circulators (Continued)

Part No	Size	Supply	Features	Reference	Retail Price
MAGNA3 100-40F	100mm (flanged)	230v	1 ph, 50Hz	97924311	£4,250.00
MAGNA3 100-60F	100mm (flanged)	230v	1 ph, 50Hz	97924312	£4,638.00
MAGNA3 100-80F	100mm (flanged)	230v	1 ph, 50Hz	97924313	£4,607.00
MAGNA3 100-100F	100mm (flanged)	230v	1 ph, 50Hz	97924314	£5,018.00
MAGNA3 100-120F	100mm (flanged)	230v	1 ph, 50Hz	97924315	£5,693.00

NOTE: Items marked */** may require spacer kits when replacing MAGNA or UPS/D models. Please see spacer kits listed on page P10.



MAGNA3 Single Head

Twin Head MAGNA3 D Variable Speed Circulators

Part No	Size	Supply	Features	Reference	Retail Price
MAGNA3 D32-40	2" BSPM	230v	1ph, 50Hz	97924449	£1,981.00
MAGNA3 D32-60	2" BSPM	230v	1ph, 50Hz	97924450	£2,318.00
MAGNA3 D32-80	2" BSPM	230v	1ph, 50Hz	97924451	£2,418.00
MAGNA3 D32-100	2" BSPM	230v	1ph, 50Hz	97924452	£2,627.00
MAGNA3 D32-40F	32mm flanged	230v	1ph, 50Hz	98333840	£2,183.00
MAGNA3 D32-60F	32mm flanged	230v	1ph, 50Hz	98333860	£2,552.00
MAGNA3 D32-80F	32mm flanged	230v	1ph, 50Hz	98333880	£2,687.00
MAGNA3 D32-100F	32mm flanged	230v	1ph, 50Hz	97924453	£3,059.00
MAGNA3 D32-120F	32mm flanged	230v	1ph, 50Hz	97924454	£4,351.00
MAGNA3 D40-40F	40mm flanged *	230v	1ph, 50Hz	97924461	£2,721.00
MAGNA3 D40-60F	40mm flanged *	230v	1ph, 50Hz	97924462	£2,958.00
MAGNA3 D40-80F	40mm flanged *	230v	1ph, 50Hz	97924463	£3,838.00
MAGNA3 D40-100F	40mm flanged *	230v	1ph, 50Hz	97924464	£4,250.00
MAGNA3 D40-120F	40mm flanged	230v	1ph, 50Hz	97924465	£5,108.00
MAGNA3 D40-150F	40mm flanged	230v	1ph, 50Hz	97924466	£5,762.00
MAGNA3 D40-180F	40mm flanged	230v	1ph, 50Hz	97924467	£6,635.00
MAGNA3 D50-40F	50mm flanged **	230v	1ph, 50Hz	97924475	£4,754.00
MAGNA3 D50-60F	50mm flanged **	230v	1ph, 50Hz	97924476	£5,600.00
MAGNA3 D50-80F	50mm flanged	230v	1ph, 50Hz	97924477	£6,163.00
MAGNA3 D50-100F	50mm flanged	230v	1ph, 50Hz	97924478	£6,527.00
MAGNA3 D50-120F	50mm flanged	230v	1ph, 50Hz	97924479	£6,889.00
MAGNA3 D50-150F	50mm flanged	230v	1ph, 50Hz	97924480	£7,937.00
MAGNA3 D50-180F	50mm flanged	230v	1ph, 50Hz	97924481	£8,740.00
MAGNA3 D65-40F	65mm flanged	230v	1ph, 50Hz	97924489	£5,962.00
MAGNA3 D65-60F	65mm flanged	230v	1ph, 50Hz	97924490	£6,808.00
MAGNA3 D65-80F	65mm flanged	230v	1ph, 50Hz	97924491	£6,962.00
MAGNA3 D65-100F	65mm flanged	230v	1ph, 50Hz	97924492	£7,816.00
MAGNA3 D65-120F	65mm flanged	230v	1ph, 50Hz	97924493	£7,871.00
MAGNA3 D65-150F	65mm flanged	230v	1ph, 50Hz	97924494	£8,433.00
MAGNA3 D80-40F	80mm flanged	230v	1ph, 50Hz	97924501	£7,131.00
MAGNA3 D80-60F	80mm flanged	230v	1ph, 50Hz	97924502	£6,485.00
MAGNA3 D80-80F	80mm flanged	230v	1ph, 50Hz	97924503	£6,986.00
MAGNA3 D80-100F	80mm flanged	230v	1ph, 50Hz	97924504	£8,046.00
MAGNA3 D80-120F	80mm flanged	230v	1ph, 50Hz	97924505	£9,030.00
MAGNA3 D100-40F	100mm flanged	230v	1ph, 50Hz	97924506	£6,916.00
MAGNA3 D100-60F	100mm flanged	230v	1ph, 50Hz	97924507	£7,556.00
MAGNA3 D100-80F	100mm flanged	230v	1ph, 50Hz	97924508	£8,643.00
MAGNA3 D100-100F	100mm flanged	230v	1ph, 50Hz	97924509	£9,416.00
MAGNA3 D100-120F	100mm flanged	230v	1ph, 50Hz	97924510	£10,681.00

NOTE: Items marked */** may require spacer kits when replacing MAGNA or UPS/D models. Please see spacer kits listed on page P10.



MAGNA3 D Twin Head

Spacer Kits to Suit MAGNA1 and MAGNA3

Part No	Description	Pressure	To suit...	Reference	Retail Price
40mm SPACER	Spacer, extended bolts, nuts, 3x gasket	PN 6	MAGNA1 & 3 marked *	96281076	£75.00
50mm SPACER	Spacer, extended bolts, nuts, 3x gasket	PN 6	MAGNA1 & 3 marked **	96281077	£86.00

Grundfos Go Remote

(for wireless infrared or radio communication with pumps, replacing R100)

Part No	Description	Reference	Retail Price
MI 301	Universal dongle for iOS and Android based smartphones	98046408	£461.00



Go Remote Range

Data Communication: Built-in Cards

Part No	Description	To suit...	Reference	Retail Price
CIM 050	GENIbus	MAGNA3, see N ¹ below	96824631	£170.00
CIM 100	LON	MAGNA3, MGE (N ²), Multi-E Perm. Magnet	96824797	£320.00
CIM 110	LON	CU352	96824798	£320.00
CIM 150	Profibus DP	MAGNA3, MGE (N ²), Multi-E PM, CU 352, CU 362	96824793	£352.00
CIM 200	Modbus RTU/COMLI	MAGNA3, MGE (N ²), Multi-E PM, CU 352, CU 362	96824796	£320.00
CIM 260	Cellular EU (no antenna incl.)	MAGNA3, MGE (N ²) Multi-E PM, CU 352, CU 362	99439302	£697.00
CIM 280	GRM/CIM EU	MAGNA3, MGE (N ²) Multi-E PM, CU 352, CU 362	99439724	£697.00
CIM 300	BACnet MS/TP	MAGNA3, MGE (N ²) Multi-E PM, CU 352	96893770	£320.00
CIM 500	Modbus TCP/ Profinet IO	MAGNA3, MGE (N ²) Multi-E PM, CU 352, CU 363	98301408	£691.00



Data Comm. Cards

NOTES:

- (1) CIM 050 is built-in to MGE, Multi-E, CU 352 and CU 362.
- (2) For Twin head TPED from 11kW (4x pole) and 15kW (2x pole) and above require a CIU: see below.

Data Communication: Waste Water AutoADAPT Pumps

Part No	Description	Reference	Retail Price
CIM 050	GENIbus *requires CIU 902 IR: see below*	96824631	£170.00
CIM 150	Profibus DP *requires CIU 902 IR: see below*	96824793	£352.00
CIM 500	Modbus TCP/ Profinet IO (Ethernet) *requires CIU 902 IR: see below*	98301408	£691.00
CIM 260	Cellular EU (antenna not incl.)	99439302	£697.00
CIM 280	GRM/CIM EU	99439724	£697.00



Data Cards for AutoAdapt

Data Communication: External Boxes

Part No	Description	To suit...	Reference	Retail Price
CIU 901	With I/O board	CIM 200, 500, 260	99448389	£422.00
CIU 902	Waste water Auto Adapt	CIM 150, 200, 300, 500, 260	97644690	£686.00
CIU 903	SQ Flex	CIM 500	98106399	£686.00



External Boxes

Antennas for CIM/ CIU

Part No	Description	Reference	Retail Price
Roof antenna	2G/3G/4G Roof antenna for CIM & CIU GSM/ GPRS modules	99518079	£152.00



Antenna for CIM/CIU

UPS Series 200 Replacement Heads

Part No	Description	1-phase Ref	3-phase Ref	Retail Price
UPS 32-30/4	1- phase, 230v, 50Hz OR 3- phase, 415v, 50Hz	96405977	96405979	£1,084.00
UPS 32-60/2	1- phase, 230v, 50Hz OR 3- phase, 415v, 50Hz	96405980	96405984	£1,084.00
UPS 32-120/2	1- phase, 230v, 50Hz OR 3- phase, 415v, 50Hz	96405985	96405987	£1,084.00
UPS 40-30/4	1- phase, 230v, 50Hz OR 3- phase, 415v, 50Hz	96405988	96405990	£1,084.00
UPS 40-60/2	1- phase, 230v, 50Hz OR 3- phase, 415v, 50Hz	96405994	96405996	£1,084.00
UPS 40-60/4	1- phase, 230v, 50Hz OR 3- phase, 415v, 50Hz	96405991	96405993	£1,262.00
UPS 40-120/2	1- phase, 230v, 50Hz OR 3- phase, 415v, 50Hz	96405997	96405999	£1,084.00
UPS 40-180/2	1- phase, 230v, 50Hz OR 3- phase, 415v, 50Hz	96406000	96406001	£1,262.00
UPS 40-185/2	1- phase, 230v, 50Hz OR 3- phase, 415v, 50Hz	96432239	96432238	£1,262.00
UPS 50-30/4	1- phase, 230v, 50Hz OR 3- phase, 415v, 50Hz	96406002	96406004	£1,084.00
UPS 50-60/2	1- phase, 230v, 50Hz OR 3- phase, 415v, 50Hz	96406009	96406013	£1,084.00
UPS 50-60/4	1- phase, 230v, 50Hz OR 3- phase, 415v, 50Hz	96406005	96406008	£1,262.00
UPS 50-120/2	1- phase, 230v, 50Hz OR 3- phase, 415v, 50Hz	96406015	96406017	£1,262.00
UPS 50-180/2	1- phase, 230v, 50Hz OR 3- phase, 415v, 50Hz	96406018	96406019	£1,262.00
UPS 65-30/4	1- phase, 230v, 50Hz OR 3- phase, 415v, 50Hz	96406020	96406022	£1,084.00
UPS 65-60/2	1- phase, 230v, 50Hz OR 3- phase, 415v, 50Hz	96406026	96406028	£1,084.00
UPS 65-60/4	1- phase, 230v, 50Hz OR 3- phase, 415v, 50Hz	96406023	96406025	£1,262.00
UPS 65-120/2	1- phase, 230v, 50Hz OR 3- phase, 415v, 50Hz	96406029	96406031	£1,262.00
UPS 65-180/2	3-phase, 415v, 50Hz	N/A	96406032	£1,262.00
UPS 80-30/4	3-phase, 415v, 50Hz	N/A	96406034	£1,262.00
UPS 80-60/4	3-phase, 415v, 50Hz	N/A	96406036	£1,262.00
UPS 80-120/2	3-phase, 415v, 50Hz	N/A	96406038	£1,262.00
UPS 100-30/4	3-phase, 415v, 50Hz	N/A	96406040	£1,262.00



UPS...

UPS Series 200 Replacement Terminal Boxes

Part No	Description	Capacitor	Reference	Retail Price
UPS 32-30/4	1- phase, 230v, 50Hz	4 µF	96405852	£547.00
UPS 32-60/2	1- phase, 230v, 50Hz	6 µF	96405853	£547.00
UPS 32-120/2	1- phase, 230v, 50Hz	10 µF	96405855	£547.00
UPS 40-30/4	1- phase, 230v, 50Hz	6 µF	96405853	£547.00
UPS 40-60/2	1- phase, 230v, 50Hz	8 µF	96405854	£547.00
UPS 40-60/4	1- phase, 230v, 50Hz	10 µF	96405855	£547.00
UPS 40-120/2	1- phase, 230v, 50Hz	12 µF	96405856	£547.00
UPS 40-180/2	1- phase, 230v, 50Hz	25 µF	96405860	£547.00
UPS 40-185/2	1- phase, 230v, 50Hz	25 µF	96405860	£547.00
UPS 50-30/4	1- phase, 230v, 50Hz	6 µF	96405853	£547.00
UPS 50-60/2	1- phase, 230v, 50Hz	10 µF	96405855	£547.00
UPS 50-60/4	1- phase, 230v, 50Hz	20 µF	96405859	£547.00
UPS 50-120/2	1- phase, 230v, 50Hz	25 µF	96405860	£547.00
UPS 50-180/2	1- phase, 230v, 50Hz	30 µF	96405861	£547.00
UPS 65-30/4	1- phase, 230v, 50Hz	8 µF	96405854	£547.00
UPS 65-60/2	1- phase, 230v, 50Hz	16 µF	96405858	£547.00
UPS 65-60/4	1- phase, 230v, 50Hz	20 µF	96405859	£547.00
UPS 65-120/2	1- phase, 230v, 50Hz	30 µF	96405861	£547.00
UPS 32-30/4	3-phase, 415v, 50Hz	N/A	96404870	£534.00
UPS 32-60/2	3-phase, 415v, 50Hz	N/A	96404870	£534.00
UPS 32-120/2	3-phase, 415v, 50Hz	N/A	96404870	£534.00
UPS 40-30/4	3-phase, 415v, 50Hz	N/A	96404870	£534.00
UPS 40-60/2	3-phase, 415v, 50Hz	N/A	96404870	£534.00
UPS 40-60/4	3-phase, 415v, 50Hz	N/A	96404870	£534.00
UPS 40-120/2	3-phase, 415v, 50Hz	N/A	96404870	£534.00
UPS 40-180/2	3-phase, 415v, 50Hz	N/A	96404870	£534.00
UPS 40-185/2	3-phase, 415v, 50Hz	N/A	96404870	£534.00
UPS 50-30/4	3-phase, 415v, 50Hz	N/A	96404870	£534.00
UPS 50-60/2	3-phase, 415v, 50Hz	N/A	96404870	£534.00
UPS 50-60/4	3-phase, 415v, 50Hz	N/A	96404870	£534.00
UPS 50-120/2	3-phase, 415v, 50Hz	N/A	96404870	£534.00
UPS 50-180/2	3-phase, 415v, 50Hz	N/A	96404870	£534.00
UPS 65-30/4	3-phase, 415v, 50Hz	N/A	96404870	£534.00
UPS 65-60/2	3-phase, 415v, 50Hz	N/A	96404870	£534.00
UPS 65-60/4	3-phase, 415v, 50Hz	N/A	96404870	£534.00
UPS 65-120/2	3-phase, 415v, 50Hz	N/A	96404870	£534.00



Replacement Term. Box

End Suction Centrifugal Pumps

(304 stainless steel, for water up to 110°C with FPM elastomers)

Part No	Description	Motor (kW)	Reference	Retail Price
CEAM 70/5-V/A	Single phase (110/1/50)	0.55	107330010DAA	£1,067.00
CEAM 70/3-V/A	Single phase (230/1/50)	0.37	107330000XAA	£948.00
CEAM 70/5-V/A	Single phase (230/1/50)	0.55	107330010XAA	£974.00
CEAM 80/5-V/A	Single phase (230/1/50)	0.75	107330020XAA	£1,204.00
CEAM 120/3-V/A	Single phase (230/1/50)	0.55	107330030XAA	£1,260.00
CEAM 120/5-V/A	Single phase (230/1/50)	0.9	107330040XAA	£1,499.00
CEAM 210/2-V/A	Single phase (230/1/50)	0.75	107330050XAA	£1,532.00
CEAM 210/3-V/A	Single phase (230/1/50)	1.1	107330060XAA	£1,675.00
CEAM 210/4-V/A	Single phase (230/1/50)	1.5	107330070XAA	£2,248.00
CEAM 210/5/P-V	Single phase (230/1/50)	2.2	104480260XAA	£2,513.00
CEAM 370/1-V/A	Single phase (230/1/50)	1.1	107330090XAA	£1,675.00
CEAM 370/2-V/A	Single phase (230/1/50)	1.5	107330100XAA	£2,359.00
CEAM 370/3/P-V	Single phase (230/1/50)	2.2	104480270XAA	£2,568.00
CEA 70/3-V/A	Three phase (400/3/50)	0.37	107330130XAA	£894.00
CEA 70/5-V/A	Three phase (400/3/50)	0.55	107330140XAA	£948.00
CEA 80/5/D-V	Three phase (400/3/50)	0.75	104480020XAA	£1,191.00
CEA 120/3-V/A	Three phase (400/3/50)	0.55	107330160XAA	£1,250.00
CEA 120/5/D-V	Three phase (400/3/50)	0.9	104480040XAA	£1,462.00
CEA 210/2/D-V	Three phase (400/3/50)	0.75	104480050XAA	£1,471.00
CEA 210/3/D-V	Three phase (400/3/50)	1.1	104480060XAA	£1,585.00
CEA 210/4/D-V	Three phase (400/3/50)	1.5	104480070XAA	£1,758.00
CEA 210/5/D-V	Three phase (400/3/50)	1.85	104480080XAA	£1,924.00
CEA 370/1/D-V	Three phase (400/3/50)	1.1	104480090XAA	£1,584.00
CEA 370/2/D-V	Three phase (400/3/50)	1.5	104480100XAA	£1,924.00
CEA 370/3/D-V	Three phase (400/3/50)	1.85	104480110XAA	£2,121.00
CEA 370/5/D-V	Three phase (400/3/50)	3	104480120XAA	£2,132.00
CEA4 70/3/A-V	Three phase 4 pole (400/3/50)	0.25	107330530XAA	£967.00
CEA4 70/5/A-V	Three phase 5 pole (400/3/50)	0.25	107330550XAA	£1,146.00
CEA4 120/3/A-V	Three phase 6 pole (400/3/50)	0.25	107330560XAA	£1,313.00
CEA4 120/5/A-V	Three phase 7 pole (400/3/50)	0.25	107330570XAA	£1,535.00

Please note alternative materials and seals are available; please contact the office for prices.



CEAM...



CEA...

Two-Stage End Suction Centrifugal Pumps

(304 stainless steel, for water up to 85°C with NBR elastomers)

Part No	Description	Motor (kW)	Reference	Retail Price
CAM 70/33/B	Single phase (230/1/50)	0.75	101810000	£1,225.00
CAM 70/34/B	Single phase (230/1/50)	0.9	101810010	£1,436.00
CAM 70/45/B	Single phase (230/1/50)	1.1	101810020	£1,536.00
CAM 120//33/B	Single phase (230/1/50)	1.1	101810030	£1,750.00
CAM 120/35/B	Single phase (230/1/50)	1.5	101810040	£2,162.00
CAM 120/55/P	Single phase (230/1/50)	2.2	104490110	£2,268.00
CAM 200/33/P	Single phase (230/1/50)	1.85	104490120	£2,471.00
CAM 200/35/P	Single phase (230/1/50)	2.2	104490130	£2,625.00
CA 70/33/D	Three phase (400/3/50)	0.75	104490000	£1,165.00
CA 70/34/D	Three phase (400/3/50)	1.1	104490010	£1,323.00
CA 70/45/D	Three phase (400/3/50)	1.1	104490030	£1,439.00
CA 120/33/D	Three phase (400/3/50)	1.1	104490050	£1,650.00
CA 120/35/D	Three phase (400/3/50)	1.5	104490060	£1,798.00
CA 120/55/D	Three phase (400/3/50)	2.2	104490070	£2,036.00
CA 200/33/D	Three phase (400/3/50)	2.2	104490080	£1,919.00
CA 200/35/D	Three phase (400/3/50)	2.2	104490090	£2,193.00
CA 200/55/D	Three phase (400/3/50)	3	104490100	£2,639.00

Please note alternative materials and seals are available; please contact the office for prices.



CAM...

Submersible Pumps

Part No	Description	Motor (kW)	Reference	Retail Price
DOC3 GW	C/w tube floatswitch (230/1/50)	0.25	107540300XXUA	£488.00
DOC7 GW	C/w tube floatswitch (230/1/50)	0.25	107540320XXUA	£639.00

Residential Stainless Steel Circulators

For water +2/+110°C

Part No	Description	Port Size	Unions/	Length (mm)	Reference	Retail Price
TLCHN 20-10L	Max PN10, 12m³/h	R1½	Below	180	105016155	£735.00
TLCHN 25-10L	Max PN10, 12m³/h	R1½	Below	180	105016195	£756.00
TLCHN 20-12L	Max PN10, 12m³/h	R1½	Below	180	105016165	£774.00
TLCHN 25-12L	Max PN10, 12m³/h	R1½	Below	180	105016205	£782.00

Unions to Suit Residential Circulators

Part No	Material	Pipe Size	Port Size	Reference	Retail Price
Kit Ø ½-1	Brass	R½	R1	105890341	£46.00
Kit Ø ¾-1¼	Brass	R¾	R1¼	105890351	£46.00
Kit Ø 1-1½	Brass	R1	R1½	105890201	£24.00
Kit Ø 1¼-2	Brass	R1¼	R2	105890221	£70.00

Commercial Variable Speed Single Head Circulators

Part No	Description	Port Size	Length	Unions/CF	Reference	Retail Price
Ecocirc XLplus 25-40	Single phase (1x 230v)	G1½	180mm	Not incl.	605009125	£584.00
Ecocirc XLplus 25-60	Single phase (1x 230v)	G1½	180mm	Not incl.	605009175	£692.00
Ecocirc XLplus 25-80	Single phase (1x 230v)	G1½	180mm	Not incl.	E503210AA	£786.00
Ecocirc XLplus 25-100	Single phase (1x 230v)	G1½	180mm	Not incl.	E503220AA	£870.00
Ecocirc XLplus 32-40	Single phase (1x 230v)	G2	180mm	Not incl.	605009225	£716.00
Ecocirc XLplus 32-60	Single phase (1x 230v)	G2	180mm	Not incl.	605009275	£832.00
Ecocirc XLplus 32-80	Single phase (1x 230v)	G2	180mm	Not incl.	E503230AA	£855.00
Ecocirc XLplus 32-100	Single phase (1x 230v)	G2	180mm	Not incl.	E503240AA	£955.00
Ecocirc XLplus 32-80F	Single phase (1x 230v)	DN32 (fl)	220mm	Not incl.	E503250AA	£952.00
Ecocirc XLplus 32-100F	Single phase (1x 230v)	DN32 (fl)	220mm	Not incl.	E503260AA	£1,108.00
Ecocirc XLplus 32-120F	Single phase (1x 230v)	DN32 (fl)	220mm	Not incl.	E503270AA	£1,423.00
Ecocirc XLplus 40-80F	Single phase (1x 230v)	DN40 (fl)	220mm	Not incl.	E501330AA	£1,175.00
Ecocirc XLplus 40-100F	Single phase (1x 230v)	DN40 (fl)	220mm	Not incl.	E501340AA	£1,451.00
Ecocirc XLplus 40-120F	Single phase (1x 230v)	DN40 (fl)	250mm	Not incl.	E503300AA	£1,670.00
Ecocirc XLplus 40-150F	Single phase (1x 230v)	DN40 (fl)	240mm	Not incl.	E501210AA	£1,946.00
Ecocirc XLplus 40-180F	Single phase (1x 230v)	DN40 (fl)	240mm	Not incl.	E501220AA	£2,239.00
Ecocirc XLplus 50-80F	Single phase (1x 230v)	DN50 (fl)	240mm	Not incl.	E501360AA	£1,891.00
Ecocirc XLplus 50-100F	Single phase (1x 230v)	DN50 (fl)	280mm	Not incl.	E501350AA	£2,043.00
Ecocirc XLplus 50-120F	Single phase (1x 230v)	DN50 (fl)	280mm	Not incl.	E503330AA	£2,172.00
Ecocirc XLplus 50-150F	Single phase (1x 230v)	DN50 (fl)	280mm	Not incl.	E501230AA	£2,555.00
Ecocirc XLplus 50-180F	Single phase (1x 230v)	DN50 (fl)	280mm	Not incl.	E501240AA	£2,995.00
Ecocirc XLplus 65-80F	Single phase (1x 230v)	DN65 (fl)	340mm	Not incl.	E503340AA	£2,321.00
Ecocirc XLplus 65-120F	Single phase (1x 230v)	DN65 (fl)	340mm	Not incl.	E503350AA	£2,624.00
Ecocirc XLplus 65-150F	Single phase (1x 230v)	DN65 (fl)	340mm	Not incl.	E501250AA	£3,114.00
Ecocirc XLplus 65-180F	Single phase (1x 230v)	DN65 (fl)	340mm	Not incl.	E501260AA	£3,652.00
Ecocirc XLplus 80-120F	Single phase (1x 230v) PN10	DN80 (fl)	360mm	Not incl.	E503360AA	£3,132.00
Ecocirc XLplus 80-120F	Single phase (1x 230v) PN6	DN80 (fl)	360mm	Not incl.	E503370AA	£3,132.00
Ecocirc XLplus 100-120F	Single phase (1x 230v) PN10	DN100 (fl)	360mm	Not incl.	E503390AA	£3,716.00
Ecocirc XLplus 100-120F	Single phase (1x 230v) PN6	DN100 (fl)	360mm	Not incl.	E503380AA	£3,716.00

NOTE: unions and counter-flanges are not included. Please contact the office for prices on fittings and accessories.

Commercial Stainless Steel Variable Speed Circulators

Part No	Description	Port Size	Unions/CF	Length	Reference	Retail Price
Ecocirc XLplus N 25-40	Single phase (1x 230v)	G1½	Not incl.	180mm	605009325	£898.00
Ecocirc XLplus N 25-60	Single phase (1x 230v)	G1½	Not incl.	180mm	605009375	£1,067.00
Ecocirc XLplus N 32-40	Single phase (1x 230v)	G2	Not incl.	180mm	605009425	£1,104.00
Ecocirc XLplus N 32-60	Single phase (1x 230v)	G2	Not incl.	180mm	605009475	£1,291.00
Ecocirc XLplus N 32-80	Single phase (1x 230v)	G2	Not incl.	180mm	E510090AA	£1,322.00
Ecocirc XLplus N 32-100	Single phase (1x 230v)	G2	Not incl.	180mm	E510100AA	£1,472.00
Ecocirc XLplus N 32-120F	Single phase (1x 230v)	DN32 (fl)	Not incl.	220mm	E510110AA	£2,183.00
Ecocirc XLplus N 40-120F	Single phase (1x 230v)	DN40 (fl)	Not incl.	250mm	E510120AA	£2,536.00
Ecocirc XLplus N 50-80F	Single phase (1x 230v)	DN50 (fl)	Not incl.	280mm	E510130AA	£2,924.00
Ecocirc XLplus N 50-120F	Single phase (1x 230v)	DN50 (fl)	Not incl.	280mm	E510150AA	£3,483.00
Ecocirc XLplus N 65-80F	Single phase (1x 230v)	DN65 (fl)	Not incl.	340mm	E510140AA	£3,614.00
Ecocirc XLplus N 65-120F	Single phase (1x 230v)	DN65 (fl)	Not incl.	340mm	E510160AA	£4,237.00

NOTE: unions and counter-flanges are not included. Please contact the office for prices on fittings and accessories.



TLHCN...



Ecocirc XL Plus



XLplus N...

Commercial Variable Speed Twin Head Circulators

Part No	Description	Port Size	Unions/ CF	Length	Reference	Retail Price
Ecocirc Xlplus D 32-80	Single phase (1x 230v)	G2	Not incl.	180mm	E502110AA	£1,705.00
Ecocirc Xlplus D 32-100	Single phase (1x 230v)	G2	Not incl.	180mm	E502120AA	£1,888.00
Ecocirc Xlplus D 32-80F	Single phase (1x 230v)	DN32 (flanged)	Not incl.	220mm	E502130AA	£1,916.00
Ecocirc Xlplus D 32-100F	Single phase (1x 230v)	DN32 (flanged)	Not incl.	220mm	E502140AA	£2,064.00
Ecocirc Xlplus D 32-120F	Single phase (1x 230v)	DN32 (flanged)	Not incl.	220mm	E502170AA	£2,750.00
Ecocirc Xlplus D 40-80F	Single phase (1x 230v)	DN40 (flanged)	Not incl.	220mm	E501370AA	£2,372.00
Ecocirc Xlplus D 40-100F	Single phase (1x 230v)	DN40 (flanged)	Not incl.	220mm	E501380AA	£2,846.00
Ecocirc Xlplus D 40-120F	Single phase (1x 230v)	DN40 (flanged)	Not incl.	250mm	E502180AA	£3,310.00
Ecocirc Xlplus D 40-150F	Single phase (1x 230v)	DN40 (flanged)	Not incl.	250mm	E501270AA	£3,882.00
Ecocirc Xlplus D 40-180F	Single phase (1x 230v)	DN40 (flanged)	Not incl.	250mm	E501280AA	£4,469.00
Ecocirc Xlplus D 50-80F	Single phase (1x 230v)	DN50 (flanged)	Not incl.	240mm	E501400AA	£3,814.00
Ecocirc Xlplus D 50-120F	Single phase (1x 230v)	DN50 (flanged)	Not incl.	280mm	E503550AA	£4,469.00
Ecocirc Xlplus D 50-150F	Single phase (1x 230v)	DN50 (flanged)	Not incl.	280mm	E501290AA	£5,222.00
Ecocirc Xlplus D 50-180F	Single phase (1x 230v)	DN50 (flanged)	Not incl.	280mm	E501300AA	£6,091.00
Ecocirc Xlplus D 65-80F	Single phase (1x 230v)	DN65 (flanged)	Not incl.	340mm	E502200AA	£4,774.00
Ecocirc Xlplus D 65-120F	Single phase (1x 230v)	DN65 (flanged)	Not incl.	340mm	E503570AA	£5,360.00
Ecocirc Xlplus D 65-150F	Single phase (1x 230v)	DN65 (flanged)	Not incl.	340mm	E501310AA	£5,639.00
Ecocirc Xlplus D 65-180F	Single phase (1x 230v)	DN65 (flanged)	Not incl.	340mm	E501320AA	£6,020.00
Ecocirc Xlplus D 80-120F	Single phase (1x 230v) PN6	DN80 (flanged)	Not incl.	360mm	E503580AA	£5,873.00
Ecocirc Xlplus D 80-120F	Single phase (1x 230v) PN10	DN80 (flanged)	Not incl.	360mm	E503590AA	£5,873.00



XLplus D

Variable Speed Booster Sets

Part No	Pumps	Description	Retail Price
GHV20/A/10HM06S22T/4/UK	2	C/w e-HM horizontal pumps, 2x loose 24 litre vessels(PN8/10/16)	£18,184.00
GHV30/A/15HM05S40T/4/UK	3	C/w e-HM horizontal pumps, 3x loose 24 litre vessels(PN8/10/16)	£28,553.00
GHV10/A/10SV06F022T/4/UK	1	WRAS approved, c/w e-SV vertical pump *control panel not included*	£5,951.00
GHV20/A/5SV11R015T/4/UK	2 (v R)	WRAS approved, c/w e-SV vertical pumps, 2x 24 litre vessels	£15,775.00
GHV20/A/10SV06F022T/2/UK	2 (v F)	WRAS approved, c/w e-SV vertical pumps, 2x 24 litre vessels	£19,522.00
GHV30/A/10SV06F022T/4/UK	3 (v F)	WRAS approved, c/w e-SV vertical pumps, 3x 24 litre vessels	£27,173.00
GHV40/A/10SV06F022T/4/UK	4	WRAS approved, c/w e-SV vertical pumps, 4v 24 litre vessels	£33,668.00

Break Tank Booster Set (Enclosed) with Fixed Speed Pump

Part No	Break Tank Volume	Power Supply	Dimensions (LxWxH)	Retail Price
GMS10/PABLRM15-037M/18W/UK	18 litres	230/1/50	482 x 270 x 640	£2,324.00



Twin Pump Booster Set (Fixed Speed)

Part No	Description	Motor (kW)	Reference	Retail Price
GXS20/A/5HM06P11M/UK	1 phase, 2x 24l vessel	2x 1.1	1005402014XEU	£6,269.00

GXS20...

NOTE: other options are available; please contact the office for details.

Pressurisation Sets

Part No	Reference	Description	Retail Price
Mini Prefix 128	UKMIBE100HL28	Single pump, max F/P 2.8 Bar	£1,987.00
Mini Prefix 228	UKMIBE200HL28	Twin pump, max F/P 2.8 Bar	£2,608.00
Mini Prefix 155	UKMIBE100HL55	Single pump, max F/P 5.5 Bar	£2,327.00
Mini Prefix 255	UKMIBE200HL55	Twin pump, max F/P 5.5 Bar	£2,888.00
Prefix Beta 128	UKBETA100HL28/A	Single pump, max F/P 2.8 Bar	£2,760.00
Prefix Beta 228	UKBETA200HL28/A	Twin pump, max F/P 2.8 Bar	£3,131.00
Prefix Beta 155	UKBETA100HL55/A	Medium pressure single pump, max F/P 5.5 Bar	£2,873.00
Prefix Beta 255	UKBETA200HL55/A	Medium pressure twin pump, max F/P 5.5 Bar	£3,360.00
Prefix Beta 180	UKBETA100HL80/A	High pressure single pump, max F/P 8.0 Bar	£3,282.00
Prefix Beta 280	UKBETA200HL80/A	High pressure twin pump, max F/P 8.0 Bar	£4,333.00

Spartan Controls can supply the full range of Lowara pumps and pressurisation equipment. Please contact the office for any products not listed, or for a tailored quote.

Electronic Circulators for Small Community Heating

Part No	Description	Length	Voltage (50/60Hz)	P1 Max (W)	In (A)	Reference	Retail Price
EVOPLUS 40/180M	Single, unions	180mm	220/240v	70	0.52	60150938	£438.00
EVOPLUS 60/180M	Single, unions	180mm	220/240v	100	0.72	60150939	£491.00
EVOPLUS 80/180M	Single, unions	180mm	220/240v	135	0.95	60150940	£553.00
EVOPLUS 110/180M	Single, unions	180mm	220/240v	170	1.18	60150941	£618.00
EVOPLUS 40/180XM	Single, unions	180mm	220/240v	70	0.51	60150942	£475.00
EVOPLUS 60/180XM	Single, unions	180mm	220/240v	100	0.71	60150943	£528.00
EVOPLUS 80/180XM	Single, unions	180mm	220/240v	135	0.93	60150944	£589.00
EVOPLUS 100/180XM	Single, unions	180mm	220/240v	170	1.18	60150945	£653.00
EVOPLUS B 40/220.32M	Single, flanged	220mm	220/240v	85	0.55	60150946	£522.00
EVOPLUS B 60/220.32M	Single, flanged	220mm	220/240v	110	0.75	60150947	£576.00
EVOPLUS B 80/220.32M	Single, flanged	220mm	220/240v	150	0.97	60150948	£640.00
EVOPLUS B 110/220.32M	Single, flanged	220mm	220/240v	200	1.3	60150949	£707.00
EVOPLUS B 40/250.40M	Single, flanged	250mm	220/240v	75	0.55	60150950	£573.00
EVOPLUS B 60/250.40M	Single, flanged	250mm	220/240v	105	0.75	60150951	£628.00
EVOPLUS B 80/250.40M	Single, flanged	250mm	220/240v	140	0.97	60150952	£692.00
EVOPLUS B 110/250.40M	Single, flanged	250mm	220/240v	190	1.3	60150953	£757.00
EVOPLUS D 40/220.32M	Twin, flanged	220mm	220/240v	85	0.55	60150954	£1,237.00
EVOPLUS D 60/220.32M	Twin, flanged	220mm	220/240v	110	0.75	60150955	£1,248.00
EVOPLUS D 80/220.32M	Twin, flanged	220mm	220/240v	150	0.95	60150956	£1,485.00
EVOPLUS D 110/220.32M	Twin, flanged	220mm	220/240v	200	1.3	60150957	£1,619.00
EVOPLUS D 40/250.40M	Twin, flanged	250mm	220/240v	75	0.55	60150958	£1,337.00
EVOPLUS D 60/250.40M	Twin, flanged	250mm	220/240v	100	0.75	60150959	£1,447.00
EVOPLUS D 80/250.40M	Twin, flanged	250mm	220/240v	135	0.95	60150960	£1,574.00
EVOPLUS D 110/250.40M	Twin, flanged	250mm	220/240v	190	1.3	60150961	£1,708.00

NOTE: Accessories are available. Please contact the office for details.



EVOPLUS



EVOPLUS D

Circulators for Heating and Air Conditioning Systems

Part No	Description	Length	Voltage (50/60Hz)	P1 Max (W)	In (A)	Reference	Retail Price
EVOPLUS B 120/220.32M	Single, oval flanges	220mm	220/240v	340	1.7	60150962	£1,247.00
EVOPLUS B 40/220.40M	Single, oval flanges	220mm	220/240v	90	0.7	60150963	£1,110.00
EVOPLUS B 60/220.40M	Single, oval flanges	220mm	220/240v	175	1	60150964	£1,216.00
EVOPLUS B 80/220.40M	Single, oval flanges	220mm	220/240v	260	1.35	60150965	£1,274.00
EVOPLUS B 100/220.40M	Single, oval flanges	220mm	220/240v	350	1.75	60150966	£1,291.00
EVOPLUS B 120/250.40M	Single, oval flanges	250mm	220/240v	465	2.2	60150967	£1,464.00
EVOPLUS B 150/250.40M	Single, oval flanges	250mm	220/240v	610	2.9	60150968	£1,813.00
EVOPLUS B 180/250.40M	Single, oval flanges	250mm	220/240v	610	2.9	60150969	£2,098.00
EVOPLUS B 40/240.50M	Single, oval flanges	240mm	220/240v	140	0.87	60150970	£1,333.00
EVOPLUS B 60/240.50M	Single, oval flanges	240mm	220/240v	260	1.35	60150971	£1,560.00
EVOPLUS B 80/240.50M	Single, oval flanges	240mm	220/240v	330	0.87	60150972	£1,688.00
EVOPLUS B 100/280.50M	Single, oval flanges	280mm	220/240v	430	2.1	60150973	£1,813.00
EVOPLUS B 120/280.50M	Single, oval flanges	280mm	220/240v	530	2.5	60150974	£1,954.00
EVOPLUS B 150/280.50M	Single, oval flanges	280mm	220/240v	640	3	60150975	£2,155.00
EVOPLUS B 180/280.50M	Single, oval flanges	280mm	220/240v	750	3.45	60150976	£2,354.00
EVOPLUS B 40/340.65M	Single, oval flanges	340mm	220/240v	190	1.1	60150977	£1,673.00
EVOPLUS B 60/340.65M	Single, oval flanges	340mm	220/240v	355	1.8	60150978	£1,927.00
EVOPLUS B 80/340.65M	Single, oval flanges	340mm	220/240v	465	2.2	60150979	£2,056.00
EVOPLUS B 100/340.65M	Single, oval flanges	340mm	220/240v	590	2.8	60150980	£2,155.00
EVOPLUS B 120/340.65M	Single, oval flanges	340mm	220/240v	730	3.45	60150981	£2,354.00
EVOPLUS B 150/340.65M	Single, oval flanges	340mm	220/240v	1210	5.5	60150986	£2,665.00
EVOPLUS B 40/360.80M	Single, oval flanges	360mm	220/240v	330	1.65	60150987	£2,012.00
EVOPLUS B 60/360.80M	Single, oval flanges	360mm	220/240v	535	2.5	60150988	£2,183.00
EVOPLUS B 80/360.80M	Single, oval flanges	360mm	220/240v	670	3	60150989	£2,354.00
EVOPLUS B 100/360.80M	Single, oval flanges	360mm	220/240v	1005	4.5	60150990	£2,607.00
EVOPLUS B 120/360.80M	Single, oval flanges	360mm	220/240v	1235	5.5	60150991	£2,892.00

Continued overleaf...



EVOPLUS B

Circulators for Heating and Air Conditioning Systems (continued)

Part No	Description	Length	Voltage (50/60Hz)	P1 Max (W)	In (A)	Reference	Retail Price
EVOPLUS B 45/450.100M	Single, oval flanges	450mm	220/240v	530	2.5	60150992	£2,354.00
EVOPLUS B 60/450.100M	Single, oval flanges	450mm	220/240v	760	3.5	60150993	£2,552.00
EVOPLUS B 80/450.100M	Single, oval flanges	450mm	220/240v	1080	4.8	60150994	£2,778.00
EVOPLUS B 100/450.100M	Single, oval flanges	450mm	220/240v	1380	6	60150995	£3,061.00
EVOPLUS B 120/450.100M	Single, oval flanges	450mm	220/240v	1560	7	60150999	£3,430.00
EVOPLUS D 120/220.32M	Twin, flanged	220mm	220/240v	340	1.7	60151000	£2,449.00
EVOPLUS D 40/220.40M	Twin, flanged	220mm	220/240v	90	0.7	60151001	£2,387.00
EVOPLUS D 60/220.40M	Twin, flanged	220mm	220/240v	175	1	60151002	£2,435.00
EVOPLUS D 80/220.40M	Twin, flanged	220mm	220/240v	260	1.35	60151003	£2,474.00
EVOPLUS D 100/220.40M	Twin, flanged	220mm	220/240v	350	1.75	60151004	£2,642.00
EVOPLUS D 120/250.40M	Twin, flanged	250mm	220/240v	465	2.2	60151005	£2,935.00
EVOPLUS D 150/250.40M	Twin, flanged	250mm	220/240v	610	2.9	60151006	£3,564.00
EVOPLUS D 180/250.40M	Twin, flanged	250mm	220/240v	610	2.9	60151007	£4,088.00
EVOPLUS D 40/240.50M	Twin, flanged	240mm	220/240v	140	0.87	60151008	£2,617.00
EVOPLUS D 60/240.50M	Twin, flanged	240mm	220/240v	260	1.35	60151009	£3,062.00
EVOPLUS D 80/240.50M	Twin, flanged	240mm	220/240v	330	1.7	60151010	£3,344.00
EVOPLUS D 100/280.50M	Twin, flanged	280mm	220/240v	430	2.1	60151011	£3,564.00
EVOPLUS D 120/280.50M	Twin, flanged	280mm	220/240v	530	2.5	60151012	£3,842.00
EVOPLUS D 150/280.50M	Twin, flanged	280mm	220/240v	640	3	60151013	£4,416.00
EVOPLUS D 180/280.50M	Twin, flanged	280mm	220/240v	750	3.45	60151014	£5,117.00
EVOPLUS D 40/340.65M	Twin, flanged	340mm	220/240v	190	1.1	60151015	£3,315.00
EVOPLUS D 60/340.65M	Twin, flanged	340mm	220/240v	355	1.8	60151016	£3,785.00
EVOPLUS D 80/340.65M	Twin, flanged	340mm	220/240v	465	2.2	60151017	£4,066.00
EVOPLUS D 100/340.65M	Twin, flanged	340mm	220/240v	590	2.8	60151018	£4,324.00
EVOPLUS D 120/340.65M	Twin, flanged	340mm	220/240v	730	3.45	60151019	£4,683.00
EVOPLUS D 150/340.65M	Twin, flanged	340mm	220/240v	1210	5.5	60151020	£5,387.00
EVOPLUS D 40/360.80M	Twin, flanged	360mm	220/240v	330	1.65	60151021	£4,075.00
EVOPLUS D 60/360.80M	Twin, flanged	360mm	220/240v	535	2.5	60151022	£4,410.00
EVOPLUS D 80/360.80M	Twin, flanged	360mm	220/240v	670	3	60151023	£4,745.00
EVOPLUS D 100/360.80M	Twin, flanged	360mm	220/240v	1005	4.5	60151024	£5,242.00
EVOPLUS D 120/360.80M	Twin, flanged	360mm	220/240v	1235	5.5	60151025	£5,771.00
EVOPLUS D 40/450.100M	Twin, flanged	450mm	220/240v	530	2.5	60151026	£4,712.00
EVOPLUS D 60/450.100M	Twin, flanged	450mm	220/240v	760	3.5	60151027	£5,088.00
EVOPLUS D 80/450.100M	Twin, flanged	450mm	220/240v	1080	4.8	60151028	£5,518.00
EVOPLUS D 100/450.100M	Twin, flanged	450mm	220/240v	1380	6	60151029	£6,075.00
EVOPLUS D 120/450.100M	Twin, flanged	450mm	220/240v	1560	7	60151030	£6,829.00



EVOPLUS D

NOTE: Accessories are available. Please contact the office for details.

Spartan Controls can supply the full range of DAB pump equipment. Please contact the item for any not listed, or for a tailored quote.

CD Single Impeller Centrifugal Electric Pumps

Part No	Description	Reference	Retail Price
CDM70/05	Single phase 230v, 50Hz, AISI 304 stainless steel	1970050000	£620.00
CDM70/07	Single phase 230v, 50Hz, AISI 304 stainless steel	1970090000	£612.00
CDM70/12	Single phase 230v, 50Hz, AISI 304 stainless steel	1970100000	£978.00
CDM90/10	Single phase 230v, 50Hz, AISI 304 stainless steel	1970100500	£793.00
CDM120/07	Single phase 230v, 50Hz, AISI 304 stainless steel	1980090000	£833.00
CDM/G120/12	Single phase 230v, 50Hz, AISI 304 stainless steel	1980100000G	£985.00
CDM120/20	Single phase 230v, 50Hz, AISI 304 stainless steel	1980200000	£1,167.00
CDM/G200/12	Single phase 230v, 50Hz, AISI 304 stainless steel	1990100000G	£1,039.00
CDM/G200/20	Single phase 230v, 50Hz, AISI 304 stainless steel	1990200000G	£1,169.00
CD70/05	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1970050004I	£574.00
CD70/07	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1970090004I	£608.00
CD/I70/12	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1970100004I	£984.00
CD/I90/10	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1970100504I	£782.00
CD120/07	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1980090004I	£770.00
CD/I120/12	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1980100004I	£965.00
CD/I120/20	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1980200004I	£1,144.00
CD/I200/12	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1990100004I	£1,024.00
CD/I200/20	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1990200004I	£1,149.00
CD/I200/25	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1990250004I	£1,348.00



CDM...

CDX Single Impeller Centrifugal Electric Pumps

Part No	Description	Reference	Retail Price
CDXM/A70/05	Single phase 230v, 50Hz, AISI 304 stainless steel	1615050000	£581.00
CDXM/A70/07	Single phase 230v, 50Hz, AISI 304 stainless steel	1615090000	£592.00
CDXM/A90/10	Single phase 230v, 50Hz, AISI 304 stainless steel	1615100500	£756.00
CDXM/A120/07	Single phase 230v, 50Hz, AISI 304 stainless steel	1625090000	£836.00
CDXM/G120/12	Single phase 230v, 50Hz, AISI 304 stainless steel	1625100000G	£937.00
CDXM/B120/20	Single phase 230v, 50Hz, AISI 304 stainless steel	1625200000B	£1,110.00
CDXM/G200/12	Single phase 230v, 50Hz, AISI 304 stainless steel	1635100000G	£990.00
CDXM/G200/20	Single phase 230v, 50Hz, AISI 304 stainless steel	1635200000G	£1,114.00
CDX/A70/05	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1615050004I	£549.00
CDX/A70/07	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1615090004I	£576.00
CDX/I90/10	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1615100504I	£745.00
CDX/A120/07	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1625090004I	£732.00
CDX/I120/12	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1625100004I	£919.00
CDX/I120/20	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1625200004I	£1,091.00
CDX/I200/12	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1635100004I	£975.00
CDX/I200/20	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1635200004I	£1,093.00
CDX/I200/25	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1635250004I	£1,283.00



CDX...

CDXL Single Impeller Centrifugal Electric Pumps

Part No	Description	Reference	Retail Price
CDXL/A70/05	Three phase 230/400v, 50Hz, AISI 316 stainless steel	1615058004	£656.00
CDXL/A70/07	Three phase 230/400v, 50Hz, AISI 316 stainless steel	1615098004	£723.00
CDXL/I90/10	Three phase 230/400v, 50Hz, AISI 316 stainless steel	1615108003I	£893.00
CDXL/A120/07	Three phase 230/400v, 50Hz, AISI 316 stainless steel	1625098004	£881.00
CDXL/I120/12	Three phase 230/400v, 50Hz, AISI 316 stainless steel	1625108004I	£1,103.00
CDXL/I120/20	Three phase 230/400v, 50Hz, AISI 316 stainless steel	1625208004I	£1,310.00
CDXL/I200/12	Three phase 230/400v, 50Hz, AISI 316 stainless steel	1635108004I	£1,169.00
CDXL/I200/20	Three phase 230/400v, 50Hz, AISI 316 stainless steel	1635208004I	£1,313.00
CDXL/I200/25	Three phase 230/400v, 50Hz, AISI 316 stainless steel	1635258004I	£1,542.00

Continued overleaf...

2CDX Dual Impeller Centrifugal Electric Pumps

Part No	Description	Reference	Retail Price
2CDXM/A70/10	Single phase 230v, 50Hz, AISI 304 stainless steel	1611100000	£782.00
2CDXM/A70/12	Single phase 230v, 50Hz, AISI 304 stainless steel	1611120000	£839.00
2CDXM/C70/15	Single phase 230v, 50Hz, AISI 304 stainless steel	1611150000C	£892.00
2CDXM/B70/20	Single phase 230v, 50Hz, AISI 304 stainless steel	1611200000B	£961.00
2CDXM/C120/15	Single phase 230v, 50Hz, AISI 304 stainless steel	1621150000C	£1,023.00
2CDXM/B120/20	Single phase 230v, 50Hz, AISI 304 stainless steel	1621200000B	£1,125.00
2CDX/I70/10	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1611100004I	£788.00
2CDX/I70/12	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1611120004I	£847.00
2CDX/I70/15	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1611150004I	£901.00
2CDX/I70/20	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1611200004I	£973.00
2CDX/I120/15	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1621150004I	£1,031.00
2CDX/I120/20	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1621200004I	£1,134.00
2CDX/I120/30	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1989300004I	£1,497.00
2CDX/I120/40	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1989400004I	£1,798.00
2CDX/I200/30	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1999300004I	£1,512.00
2CDX/I200/40	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1999400004I	£1,811.00
2CDX/I200/50	Three phase 230/400v, 50Hz, AISI 304 stainless steel	1999500004I	£1,984.00



2CDX...

2CDX Dual Impeller Centrifugal Electric Pumps

Part No	Description	Reference	Retail Price
2CDXL/I70/10	Three phase 230/400v, 50Hz, AISI 316 stainless steel	1611108004I	£943.00
2CDXL/I70/12	Three phase 230/400v, 50Hz, AISI 316 stainless steel	1611128004I	£1,013.00
2CDXL/I70/15	Three phase 230/400v, 50Hz, AISI 316 stainless steel	1611158004I	£1,083.00
2CDXL/I70/20	Three phase 230/400v, 50Hz, AISI 316 stainless steel	1611208004I	£1,167.00
2CDXL/I120/15	Three phase 230/400v, 50Hz, AISI 316 stainless steel	1621158004I	£1,238.00
2CDXL/I120/20	Three phase 230/400v, 50Hz, AISI 316 stainless steel	1621208004I	£1,361.00
2CDXL/I120/30	Three phase 230/400v, 50Hz, AISI 316 stainless steel	1989308004I	£1,795.00
2CDXL/I120/40	Three phase 230/400v, 50Hz, AISI 316 stainless steel	1989408004I	£2,158.00
2CDXL/I200/30	Three phase 230/400v, 50Hz, AISI 316 stainless steel	1999308004I	£1,813.00
2CDXL/I200/40	Three phase 230/400v, 50Hz, AISI 316 stainless steel	1999408004I	£2,174.00
2CDXL/I200/50	Three phase 230/400v, 50Hz, AISI 316 stainless steel	1999508004I	£2,349.00

PRA-PRN Peripheral Electric Pumps

Part No	Description	Reference	Retail Price
PRA0.50M	Single phase 230v, 50Hz, cast iron	1150050000	£233.00
PRA0.80M	Single phase 230v, 50Hz, cast iron	1150080000	£358.00
PRA1.00M	Single phase 230v, 50Hz, cast iron	1150100000	£398.00
PRA/B1.50M	Single phase 230v, 50Hz, cast iron	1150150000B	£578.00
PRA/A2.00M	Single phase 230v, 50Hz, cast iron	1150200000A	£702.00
PRN0.50M	Single phase 230v, 50Hz, nickel plated	1150050100	£274.00
PRA0.50T	Three phase 230/400v, 50Hz, cast iron	1150050004I	£233.00
PRA0.80T	Three phase 230/400v, 50Hz, cast iron	1150080004I	£370.00
PRA/I1.00T	Three phase 230/400v, 50Hz, cast iron	1150100004I	£423.00
PRA/I1.50T	Three phase 230/400v, 50Hz, cast iron	1150150004I	£582.00
PRA/I2.00T	Three phase 230/400v, 50Hz, cast iron	1150200004I	£628.00



PRA0.50M

BEST 2-5 Submersible Pumps

Part No	Description	Reference	Retail Price
BEST/A 2MA	Single phase 230v, 50Hz, AISI 304 stainless steel c/w float switch	1721091621A	£649.00
BEST/A 2M	Single phase 230v, 50Hz, AISI 304 stainless steel	1721091721A	£632.00
BEST/A 3MA	Single phase 230v, 50Hz, AISI 304 stainless steel c/w float switch	1721101721A	£899.00
BEST/A 3M	Single phase 230v, 50Hz, AISI 304 stainless steel	1721101621A	£874.00
BEST/A 4MA	Single phase 230v, 50Hz, AISI 304 stainless steel c/w float switch	1731151721A	£1,007.00
BEST/A 4M	Single phase 230v, 50Hz, AISI 304 stainless steel	1731151621A	£987.00
BEST/A 2	Three phase 400v, 50Hz, AISI 304 stainless steel	1721091204A	£632.00
BEST/A 3	Three phase 400v, 50Hz, AISI 304 stainless steel	1721101204A	£874.00
BEST/A 4	Three phase 400v, 50Hz, AISI 304 stainless steel	1731151204A	£987.00
BEST/A 5	Three phase 400v, 50Hz, AISI 304 stainless steel	1731201204A	£1,060.00

Yonos MAXO Glandless Single Circulation Pump

Part No	Size	Description	Reference	Retail Price
Yonos MAXO 25/0.5-7	1" threaded (Rp)	1- 230v, 50/60Hz, PN10	2120639	£601.00
Yonos MAXO 25/0.5-10	1" threaded (Rp)	1- 230v, 50/60Hz, PN10	2120640	£811.00
Yonos MAXO 25/0.5-12	1" threaded (Rp)	1- 230v, 50/60Hz, PN10	2120641	£914.00
Yonos MAXO 30/0.5-7	1¼" threaded (Rp)	1- 230v, 50/60Hz, PN10	2120642	£666.00
Yonos MAXO 30/0.5-10	1¼" threaded (Rp)	1- 230v, 50/60Hz, PN10	2120643	£924.00
Yonos MAXO 30/0.5-12	1¼" threaded (Rp)	1- 230v, 50/60Hz, PN10	2120644	£1,198.00
Yonos MAXO 40/0.5-4	DN40 flanged	1- 230v, 50/60Hz, PN6/10	2120645	£941.00
Yonos MAXO 40/0.5-8	DN40 flanged	1- 230v, 50/60Hz, PN6/10	2120646	£1,115.00
Yonos MAXO 40/0.5-12	DN40 flanged	1- 230v, 50/60Hz, PN6/10	2120647	£1,423.00
Yonos MAXO 40/0.5-16	DN40 flanged	1- 230v, 50/60Hz, PN6/10	2120648	£2,552.00
Yonos MAXO 50/0.5-8	DN50 flanged	1- 230v, 50/60Hz, PN6/10	2120649	£1,714.00
Yonos MAXO 50/0.5-9	DN50 flanged	1- 230v, 50/60Hz, PN6/10	2120650	£1,815.00
Yonos MAXO 50/0.5-12	DN50 flanged	1- 230v, 50/60Hz, PN6/10	2120651	£1,916.00
Yonos MAXO 50/0.5-16	DN50 flanged	1- 230v, 50/60Hz, PN6/10	2120652	£2,664.00
Yonos MAXO 65/0.5-9	DN65 flanged	1- 230v, 50/60Hz, PN6/10	2120653	£2,065.00
Yonos MAXO 65/0.5-12	DN65 flanged	1- 230v, 50/60Hz, PN6/10	2120654	£2,574.00
Yonos MAXO 65/0.5-16	DN65 flanged	1- 230v, 50/60Hz, PN6/10	2120655	£2,769.00
Yonos MAXO 80/0.5-6	DN80 flanged	1- 230v, 50/60Hz, PN6	2120656	£2,920.00
Yonos MAXO 80/0.5-6	DN80 flanged	1- 230v, 50/60Hz, PN10	2120657	£3,235.00
Yonos MAXO 80/0.5-12	DN80 flanged	1- 230v, 50/60Hz, PN6	2120658	£3,027.00
Yonos MAXO 80/0.5-12	DN80 flanged	1- 230v, 50/60Hz, PN10	2120659	£3,362.00
Yonos MAXO 100/0.5-12	DN100 flanged	1- 230v, 50/60Hz, PN6	2120660	£2,782.00
Yonos MAXO 100/0.5-12	DN100 flanged	1- 230v, 50/60Hz, PN10	2120661	£3,089.00



Yonos MAXO

Yonos MAXO-D Glandless Circulation Pumps

Part No	Size	Description	Reference	Retail Price
Yonos MAXO-D 32/0.5-7	DN32 flanged	1- 230v, 50/60Hz, PN6/10	2160585	£1,747.00
Yonos MAXO-D 32/0.5-11	DN32 flanged	1- 230v, 50/60Hz, PN6/10	2120663	£2,097.00
Yonos MAXO-D 40/0.5-8	DN40 flanged	1- 230v, 50/60Hz, PN6/10	2120664	£2,188.00
Yonos MAXO-D 40/0.5-12	DN40 flanged	1- 230v, 50/60Hz, PN6/10	2120665	£2,962.00
Yonos MAXO-D 40/0.5-16	DN40 flanged	1- 230v, 50/60Hz, PN6/10	2120666	£5,051.00
Yonos MAXO-D 50/0.5-9	DN50 flanged	1- 230v, 50/60Hz, PN6/10	2120667	£3,356.00
Yonos MAXO-D 50/0.5-12	DN50 flanged	1- 230v, 50/60Hz, PN6/10	2120668	£4,001.00
Yonos MAXO-D 50/0.5-16	DN50 flanged	1- 230v, 50/60Hz, PN6/10	2120669	£5,327.00
Yonos MAXO-D 65/0.5-12	DN50 flanged	1- 230v, 50/60Hz, PN6/10	2120670	£5,119.00
Yonos MAXO-D 65/0.5-16	DN50 flanged	1- 230v, 50/60Hz, PN6/10	2120671	£5,538.00
Yonos MAXO-D 80/0.5-6	DN80 flanged	1- 230v, 50/60Hz, PN6	2163260	£5,529.00
Yonos MAXO-D 80/0.5-6	DN80 flanged	1- 230v, 50/60Hz, PN10	2163261	£6,141.00
Yonos MAXO-D 80/0.5-12	DN80 flanged	1- 230v, 50/60Hz, PN6	2120672	£5,718.00
Yonos MAXO-D 80/0.5-12	DN80 flanged	1- 230v, 50/60Hz, PN10	2120673	£6,353.00



Yonos MAXO D

Spartan Controls can supply the full range of Wilo pump equipment. Please contact the office for any product not listed, or for a tailored quote.