



Southern Valve

Industrial Valves 2017

Industrial Flow and Process Control Products for

Gas Water HVAC Energy Packaging Food Pharmaceutical Chemical Agriculture Manufacturing

About Us



Established and Local
Since 1981



Independent and
Family Run



Committed to
Quality



Quick Dispatch
and Delivery




Strong Industry
Reputation





Product
Branding

The Southern Valve & Fitting Co Ltd is a leading distributor and stockist of pneumatic actuated valves, butterfly valves, ball valves, gate valves and pneumatic products. Serving clients big and small in the gas, water, HVAC, Energy, Pharmaceutical, Chemical, Agriculture and Manufacturing industries.

Contact Us

 The Southern Valve and Fitting Co Ltd
Unit 8 Northridge Park
Haywood Way
Hastings
East Sussex
TN35 4PP

 01424 444222

 01424 446999

 www.southernvalve.co.uk

 sales@southernvalve.co.uk

 /southernvalve

 /southernvalve

Legal

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Placing an Order

To place an order or to request a quotation call us on 01424 444222 or email sales@southernvalve.co.uk.

Credit account customers can enjoy up to 60 days payment terms. Non account customers can make payment via card or bank transfer. If you would like to open a credit account, please contact us today.

Datasheets

More product information along with technical drawings, data sheets and approval certificates are available to download from our website www.southernvalve.co.uk.

SV90

Brass Ball Valve BSPP - WRAS Approved



Brass Body, Full Bore, PTFE Seats
Screwed BSPP, -5°C to +110°C



Red Lever Handle

Size	1/2	3/4	1	1.1/4	1.1/2	2	2.1/2	3	4
L	55	58	69	90	92	122	132	151	182
Max	32 BAR	32 BAR	32 BAR	25 BAR	25 BAR	25 BAR	16 BAR	16 BAR	16 BAR

NPT Available on Request

SV90T

Brass Ball Valve BSPT - WRAS Approved



Brass Body, Full Bore, Long Pattern, PTFE Seats
Screwed BSPT, -20°C to +150°C

EN331



Red Lever Handle

Size	1/4	3/8	1/2	3/4	1	1.1/4	1.1/2	2
L	45	45	63	71	83	92	104	124
Max	40 BAR	40 BAR	40 BAR	40 BAR	40 BAR	32 BAR	32 BAR	32 BAR

Size	2.1/2	3	4
L	140	159	195
Max	25 BAR	25 BAR	25 BAR

NPT Available on Request

SV90EXT

Brass Ball Valve Extended Spindle - WRAS Approved



Brass Body, Full Bore, PTFE Seats
Screwed BSPP, -20°C to +130°C

EN331



Red Lever Handle

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	57	67	77	88	99	121
Ext	55	55	65	75	75	85
Max	20 BAR	20 BAR	20 BAR	20 BAR	20 BAR	20 BAR

Screwed BSPT and NPT Available on Request

SV91

Brass Ball Valve - Male x Female



Brass Body, Full Bore, PTFE Seats
Screwed BSPP, -15°C to +120°C

Red Lever Handle

Size	1/4	3/8	1/2	3/4	1	1.1/4	1.1/2	2
L	52	45	53	61	69	82	98	115
Max	25 BAR	25 BAR	25 BAR	25 BAR	25 BAR	25 BAR	25 BAR	25 BAR

WRAS Approval Available on Request

Brass Ball Valve Tee Handle

Brass Body, Full Bore, PTFE Seats
Screwed BSPP, -15°C to +120°C

Red Tee Handle

Size	1/4	3/8	1/2	3/4	1
L	42	45	53	61	69
Max	25 BAR	25 BAR	25 BAR	25 BAR	25 BAR



SV92

Brass Ball Valve Tee Handle - Male x Female

Brass Body, Full Bore, PTFE Seats
Screwed BSPP, -15°C to +120°C

Red Tee Handle

Size	1/4	3/8	1/2	3/4	1
L	52	55	53	61	69
Max	25 BAR	25 BAR	25 BAR	25 BAR	25 BAR



SV93

Brass Ball Valve - Male Union x Female

Brass Body, Full Bore, PTFE Seats
Screwed BSPP Ends, -20°C to +110°C

Red Tee Handle

Size	1/2	3/4	1
L	75	84	98
Max	40 BAR	32 BAR	32 BAR

Blue Handle Available on Request



SV98

Brass Ball Valve - 3 Way

Brass Body, Reduced Bore, PTFE Seats
Screwed BSPP, Available T or L Ported, -20°C to +150°C

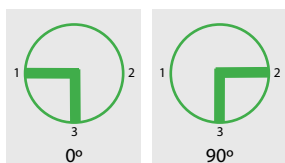
Red Lever Handle

Size	1/4	3/8	1/2	3/4	1	1.1/4	1.1/2	2
L	74	74	80	90	105	115	138	161
Max	32 BAR	32 BAR	32 BAR	32 BAR	32 BAR	25 BAR	25 BAR	25 BAR

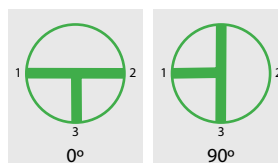


SV128

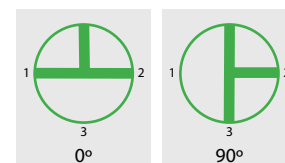
L Port Configuration



True T Port Configuration



Rotated T Port Configuration



Brass Ball Valve

SV94



Brass Body, Full Bore, WRAS Approved, EN331 Gas Approved, PTFE Seats
Compression Ends, -10°C to +110°C

EN331



Red Lever Handle

Size	15mm	22mm	28mm	35mm	42mm	54mm
L	70.5	80	91.5	109	123	150
Max	25 BAR	25 BAR	25 BAR	25 BAR	25 BAR	25 BAR

Brass Ball Valve

SV94BLUE



Brass Body, Full Bore, WRAS Approved, EN331 Gas Approved, PTFE Seats
Compression Ends, -10°C to +110°C

EN331



Blue Lever Handle

Size	15mm	22mm	28mm	35mm	42mm	54mm
L	70.5	80	91.5	109	123	150
Max	25 BAR	25 BAR	25 BAR	25 BAR	25 BAR	25 BAR

Brass Ball Valve

SV74



Brass Body, Full Bore, WRAS Approved, EN331 Gas Approved, PTFE Seats
Compression Ends, -10°C to +110°C

EN331



Yellow Lever Handle

Size	15mm	22mm	28mm	35mm	42mm	54mm
L	70.5	80	91.5	109	123	150
Max	25 BAR	25 BAR	25 BAR	25 BAR	25 BAR	25 BAR

Brass Drain Off Cock

SV139



Brass Body
Screwed BSP Male, -20°C to +110°C

Tank Filling & Emptying Ball Cock

Size	3/8	1/2	3/4
L	72	72	86
Max	12 BAR	12 BAR	12 BAR

Bibcock Ball Valve

SV174



Brass Body
Screwed BSP Male, -20°C to +80°C

Red Lever & Hose Tail Coupling

Size	1/2	3/4
L	129	132
Max	15 BAR	15 BAR

Available with Lockpad Eye on Request

Brass Ball Valve - GAS Approved

Brass Body, Full Bore, WRAS Approved, EN331 Gas Approved, PTFE Seats
Screwed BSPP, -20°C to +60°C



Yellow Lever Handle

Size	1/4	3/8	1/2	3/4	1	1.1/4	1.1/2	2
L	45	45	57	67	77	88	99	121
Max	20 BAR	20 BAR	20 BAR	20 BAR	20 BAR	20 BAR	20 BAR	20 BAR

Size	2.1/2	3	4
L	146	168	199
Max	10 BAR	10 BAR	10 BAR

Screwed BSPT Available on Request

SV70

Brass Mini Ball Valve

Polished Brass Body, Reduced Bore, Brass Ball, PTFE Seats
Screwed BSPP, -10°C to +110°C

Black Handle

Size	1/8	1/4	3/8	1/2
L	36	39.5	40	46
Max	8 BAR	8 BAR	8 BAR	8 BAR

Red Handle

Size	1/8	1/4	3/8	1/2
L	36	39.5	40	46
Max	8 BAR	8 BAR	8 BAR	8 BAR

Screwdriver Slot Available on Request



MBV

Brass Mini Ball Valve Male x Female

Polished Brass Body, Reduced Bore, Brass Ball, PTFE Seats
Screwed BSPP, -10°C to +110°C

Black Handle

Size	1/8	1/4	3/8	1/2
L	36	39.5	40	46
Max	8 BAR	8 BAR	8 BAR	8 BAR

Red Handle

Size	1/8	1/4	3/8	1/2
L	36	39.5	40	46
Max	8 BAR	8 BAR	8 BAR	8 BAR

Screwdriver Slot Available on Request



MBVM

SV10-B

Stainless Steel Ball Valve - 1 Piece



CF8M 316 Stainless Steel Body, Reduced Bore, Locking Handle, PTFE Seats
Screwed BSPP, -60°C to +200°C



Blue Lever Handle

Size	1/4	3/8	1/2	3/4	1	1.1/4	1.1/2	2
L	40	46	55	60	70	80	86	101
Max	55 BAR	55 BAR	55 BAR	55 BAR	55 BAR	55 BAR	55 BAR	55 BAR

Screwed BSPT and NPT Available on Request

SV20-B

Stainless Steel Ball Valve - 2 Piece



CF8M 316 Stainless Steel Body, Full Bore, Locking Handle, PTFE Seats
Screwed BSPP, -60°C to +200°C



Blue Lever Handle

Size	1/4	3/8	1/2	3/4	1	1.1/4	1.1/2	2
L	56	56	64	72	84	98	106	121
Max	68 BAR	68 BAR	68 BAR	68 BAR	68 BAR	68 BAR	68 BAR	68 BAR

Screwed BSPT and NPT Available on Request

SV21-B

Stainless Steel Ball Valve - 3 Way



CF8M 316 Stainless Steel Body, Reduced Bore, Locking Handle, PTFE Seats
Screwed BSPP, Available T or L Ported, -10°C to +220°C



Blue Lever Handle

Size	1/4	3/8	1/2	3/4	1	1.1/4	1.1/2	2
L	72	72	72	83	110	125	125	149
Max	68 BAR	68 BAR	68 BAR	68 BAR	68 BAR	55 BAR	55 BAR	55 BAR

Full Bore Available on Request

Stainless Steel Ball Valve - 3 Piece

CF8M 316 Stainless Steel Body, Full Bore, Locking Handle, PTFE Seats
Screwed BSPP, -30°C to +200°C



Blue Lever Handle

Size	1/4	3/8	1/2	3/4	1	1.1/4	1.1/2	2
L	57	57	66	76	86	103	119	131
Max	68 BAR	68 BAR	68 BAR	68 BAR	68 BAR	68 BAR	68 BAR	68 BAR

Size	2.1/2	3
L	164	183
Max	55 BAR	55 BAR

Screwed BSPT, NPT and Flanged Ends Available on Request

SV30-SS-BT

Stainless Steel Ball Valve - 3 Piece

316 Stainless Steel Body, Full Bore, Locking Handle, PTFE Seats
Tri-Clamp Hygienic Ends, -30°C to +200°C



Blue Lever Handle

Size	1/2	3/4	1	1.1/2	2	2.1/2	3	4
L	89	102	115	140	159	174	193	226
Max	66 BAR	66 BAR	66 BAR	66 BAR	66 BAR	55 BAR	55 BAR	55 BAR

SV30-SS-HT

Stainless Steel Ball Valve - 3 Piece

316 Stainless Steel Body, Full Bore, Locking Handle, PTFE Seats
Butt Weld Schedule 40 Ends, -30°C to +200°C



Blue Lever Handle

Size	1/2	3/4	1	1.1/2	2	2.1/2	3	4
L	66	76	86	103	119	131	164	183
Max	68 BAR	68 BAR	68 BAR	68 BAR	68 BAR	55 BAR	55 BAR	55 BAR

Extended Butt Weld Available on Request

SV30-SS-BW

Stainless Steel Ball Valve - 3 Piece

316 Stainless Steel Body, Full Bore, Locking Handle, PTFE Seats
Socket Weld Ends, -30°C to +200°C



Blue Lever Handle

Size	1/2	3/4	1	1.1/2	2	2.1/2	3	4
L	66	76	86	103	119	131	164	183
Max	68 BAR	68 BAR	68 BAR	68 BAR	68 BAR	55 BAR	55 BAR	55 BAR

SV30-SS-SW

Carbon Steel High Pressure Ball Valve

Carbon Steel Body, Steel Ball, Zinc Alloy Handle, Delrin Seats
Screwed BSPP, -20°C to +120°C

Alloy Handle

Size	1/4	3/8	1/2	3/4	1	1.1/4	1.1/2
L	69	71	82	96	113	120	130
Max	500 BAR	500 BAR	500 BAR	315 BAR	315 BAR	315 BAR	315 BAR

Compression Ends and Three Way Options Available on Request



SV/80

Stainless Steel Ball Valve



316 Stainless Steel Body, Full Bore, Locking Handle, PTFE Seats
Wafer Pattern Flanged to PN16, Anti-Static Design, -30°C to +200°C



Blue Lever Handle

Size	25	32	40	50	65	80	100
L	50	60	65	80	110	122	150
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Carbon Steel Available on Request

SV10SP

Stainless Steel Ball Valve - 2 Piece



316 Stainless Steel Split Body, Full Bore, Locking Handle, PTFE Seats
Flanged to PN16, Anti-Static Design, -30°C to +200°C

Blue Lever Handle (T-Bar over DN100)

Size	25	32	40	50	65	80	100	125	150
L	125	130	140	150	170	180	190	325	350
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Flanged to ANSI 150 and 300 Available on Request

SV20SP

Carbon Steel Ball Valve - 2 Piece



WCB Steel Split Body, Full Bore, Locking Handle, PTFE Seats
Flanged to PN16, Anti-Static Design, -30°C to +200°C

Blue Lever Handle (T-Bar over DN100)

Size	25	32	40	50	65	80	100	125	150
L	125	130	140	150	170	180	190	325	350
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Flanged to ANSI 150 and 300 Available on Request

SV20CP

Cast Iron Ball Valve



Cast Iron Body, 2 Piece Body, Full Bore, PTFE Seats, Stainless Steel Ball
Flanged to PN16, -10°C to +150°C

Lever Handle

Size	25	32	40	50	65	80	100
L	125	130	140	150	170	180	190
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

SV20IP

UPVC Economy Ball Valve

UPVC Body, Full Bore, EPDM Seals
Imperial Socket Weld Double Union Ends, 0°C to +60°C

Blue Handle

Size	1/2	3/4	1	1.1/4	1.1/2	2	2.1/2	3	4
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	10 BAR	10 BAR	10 BAR



SV10P-SW

UPVC Industrial Ball Valve

UPVC Body, Full Bore, EPDM Seals
Imperial Socket Weld Double Union Ends, 0°C to +80°C

Orange Handle

Size	1/2	3/4	1	1.1/4	1.1/2	2	2.1/2	3	4
Max	15 BAR	15 BAR	15 BAR	15 BAR	15 BAR	15 BAR	9 BAR	9 BAR	9 BAR

Metric Ends Available on Request



SV10Pi-SW

ABS Ball Valve

ABS Body, Full Bore, EPDM Seals
Imperial Socket Weld Double Union Ends, 0°C to +80°C

Orange Handle

Size	1/2	3/4	1	1.1/4	1.1/2	2	2.1/2	3	4
Max	15 BAR	15 BAR	15 BAR	15 BAR	15 BAR	15 BAR	9 BAR	9 BAR	9 BAR

Metric Ends Available on Request



SV10A-SW

UPVC Economy Ball Valve

UPVC Body, Full Bore, EPDM Seals
BSP Threaded Double Union Ends, 0°C to +60°C

Blue Handle

Size	1/2	3/4	1	1.1/4	1.1/2	2	2.1/2	3	4
Max	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR



SV10P-BT

UPVC Ball Valve

UPVC Body, Full Bore, EPDM Seals
Imperial Socket Weld Single Union End, 0°C to +60°C

Blue Handle

Size	1/2	3/4	1	1.1/4	1.1/2	2	2.1/2	3	4
Max	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR

Screwed BSP Available on Request



SV10P-SUSW

SV1TP-SW

UPVC Ball Valve - 3 Way



UPVC Body, Full Bore, EPDM Seals
Imperial Socket Weld Double Union Ends, Available T or L Ported, 0°C to +60°C

Lever Handle

Size	1/2	3/4	1	1.1/4	1.1/2	2
Max	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR

Screwed BSP and Metric Ends Available on Request

SV400E-SW

UPVC Double Union Diaphragm Valve



UPVC Body, EPDM Diaphragm
Imperial Socket Weld Double Union Ends, 0°C to +60°C

Orange Hand Wheel

Size	1/2	3/4	1	1.1/4	1.1/2	2
Max	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR

FPM Seals Available on Request

SV50SP

Ductile Iron Butterfly Valve



Ductile Iron Body, PTFE Seat, Stainless Steel Disc
Wafer Type To PN6/10/16 ANSI 150, -10°C to +120°C

Lever Operated

Size	50	65	80	100	125	150	200
L	43	46	46	52	56	56	60
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

SV50PE

UPVC Butterfly Valve



UPVC Body, EPDM Seat
Wafer Type to PN10/16, 0°C to +60°C

Lever Operated

Size	2	2.1/2	3	4	5	6	8	10
Max	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	6 BAR	6 BAR	6 BAR

Viton Seats Available on Request

SV50SS

Stainless Steel Butterfly Valve



Stainless Steel Body and Disc, PTFE Seat
Wafer Type to PN10/16 ANSI 150, -20°C to +110°C

Lever Operated

Size	50	65	80	100	125	150	200
L	45	48	49	55	58	59	64
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Cast Iron Butterfly Valve

Cast Iron GG25 Body, 316 Stainless Steel Disc, EPDM Seat
Wafer Type To PN6/10/16 ANSI 150



SV50SE

Lever Operated

Size	50	65	80	100	125	150	200	250	300
L	43	46	46	52	56	56	60	68	78
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Larger Sizes Available on Request

Cast Iron Butterfly Valve

Cast Iron GG25 Body, 316 Stainless Steel Disc, NBR Seat
Wafer Type To PN6/10/16 ANSI 150



SV50SN

Lever Operated

Size	50	65	80	100	125	150	200	250	300
L	43	46	46	52	56	56	60	68	78
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Larger Sizes Available on Request

Cast Iron Butterfly Valve

Cast Iron GG25 Body, 316 Stainless Steel Disc, EPDM Seat
Lugged Type To PN16



SV60SE

Lever Operated

Size	50	65	80	100	125	150	200	250	300
L	43	46	46	52	56	56	60	68	78
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Larger Sizes Available on Request

Cast Iron Butterfly Valve

Cast Iron GG25 Body, 316 Stainless Steel Disc, NBR Seat
Lugged Type To PN16



SV60SN

Lever Operated

Size	50	65	80	100	125	150	200	250	300
L	43	46	46	52	56	56	60	68	78
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Larger Sizes Available on Request

Cast Iron Butterfly Valve

Cast Iron GG25 Body, 316 Stainless Steel Disc, WRAS Approved, EPDM Seat
Wafer Type To PN6/10/16 ANSI 150



SV50W

Lever Operated

Size	50	65	80	100	125	150	200	250	300
L	43	46	46	52	56	56	60	68	78
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Lugged Type and Larger Sizes Available on Request

Brass Gate Valve Reduced Bore

GVBRB



Brass Body and Wedge, Handwheel Operated, BS5154
Screwed BSPP, -20°C to +120°C

Cast Handwheel

Size	1/2	3/4	1	1.1/4	1.1/2	2	2.1/2	3	4
Max	20 BAR	20 BAR	20 BAR	20 BAR	20 BAR	20 BAR	20 BAR	20 BAR	20 BAR

Screwed BSPT, NPT and Compression Ends Available on Request

Brass Gate Valve Full Bore

GVB



Brass Body and Wedge, Handwheel Operated, Heavy Pattern
Screwed BSPT, -20°C to +120°C



Cast Handwheel

Size	1/2	3/4	1	1.1/4	1.1/2	2	2.1/2	3	4
Max	25 BAR	25 BAR	25 BAR	25 BAR	25 BAR	25 BAR	25 BAR	25 BAR	25 BAR

Lockouts Available on Request

Bronze Gate Valve

GVBZ



Bronze Body, Handwheel Operated
Screwed BSPP, -20°C to +180°C

Cast Handwheel

Size	1/2	3/4	1	1.1/4	1.1/2	2	2.1/2	3
L	46	50	55	61	63	71	88	99
Max	20 BAR	20 BAR	20 BAR	20 BAR	20 BAR	20 BAR	20 BAR	20 BAR

Flanged Ends and Lock-shield Top Available on Request

Stainless Steel Gate Valve

GVSS



Stainless Steel Body, Handwheel Operated
Screwed BSPP, -20°C to +180°C

Cast Handwheel

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	55	60	65	75	85	95
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Forged Steel Gate Valve

GVFSB



Class 800 A105 to API 602, Trim 13% CR Body, Handwheel Operated
Screwed BSPP, -29°C to +425°C

Cast Handwheel

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	80	92	111	120	120	140

Available NPT and Socket Weld on Request

Ductile Iron Metal Seat Gate Valve

Ductile Iron Body and Wedge, Metal Seat, BS 5163 Pt.1 & 2:2004 & EN1171:2002
 Flanged to PN16, -10°C to +70°C

Handwheel Operated

Size	50	65	80	100	125	150	200	250	300
L	178	190	203	229	254	267	292	330	356
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Cap Top and PN25 Version Available on Request



GVDI-PN16

Cast Iron Metal Seat Gate Valve

Cast Iron Body, Cast Brass Seat, DIN3202 F4 Standard
 Flanged to PN16, -10°C to +120°C

Handwheel Operated

Size	50	65	80	100	125	150
L	150	170	180	190	200	210
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Larger Sizes Available on Request



GVCI-PN16

Ductile Iron Resilient Seat Gate Valve

Ductile Iron Body, EPDM Encapsulated Ductile Iron Seat, BS 5163 Pt.1 & 2:2004 & EN1171:2002
 Flanged to PN16, -10°C to +70°C

Handwheel Operated

Size	50	65	80	100	125	150	200	250	300
L	178	190	203	229	254	267	292	330	356
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Cap Top and NBR Version Available on Request



GVDI-EPDM

Cast Iron Gate Valve

Cast Iron Body, Bronze Trim
 Flanged to BS10 Table E, -10°C to +120°C

Handwheel Operated

Size	50	65	80	100	125	150	200
L	146	159	165	171	191	210	241
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR



GVCI-TABLEE

Knife Gate Valve

GG25 Cast Iron Body, 304 Stainless Steel Blade, Rubber Seat
 Wafer Type to PN10

Handwheel Operated

Size	50	65	80	100	125	150	200	250	300
L	40	40	50	50	50	60	60	70	70
Max	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR

Stainless Steel Body and Larger Sizes Available on Request



KGV-CISS-HW

Bronze Globe Valve

GLVB



LG2 Bronze Body, Handwheel Operated, PTFE Seat
Screwed BSPP, -20°C to +198°C

Cast Handwheel

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	55	67	79	88	101	123
Max	32 BAR	32 BAR	32 BAR	32 BAR	32 BAR	32 BAR

Flanged Ends Available on Request

Stainless Steel Globe Valve

GLVSS



CF8M Stainless Steel Body, Handwheel Operated, Metal Seat
Screwed BSPP, -25°C to +200°C

Cast Handwheel

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	67	80	89	100	118	134
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Forged Steel Globe Valve

GLVFSB



Class 800 A105 to API 602, Trim 13% CR Body, Handwheel Operated
Screwed BSPT, -29C to +425°C

Cast Handwheel

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	79	92	111	120	152	172

Available NPT and Socket Weld on Request

Brass Needle Valve

1251



Brass Body, Regulation of flow in both directions
Screwed BSP Female, -20°C to +100°C

Bidirectional

Size	1/4	3/8	1/2
L	46	55	70
Max	210 BAR	210 BAR	210 BAR

Stainless Steel Body on Request

Brass Needle Valve

1253



Brass Body, Regulation of flow in one direction, free reverse flow
Screwed BSP Female, -20°C to +100°C

Unidirectional

Size	1/4	3/8	1/2
L	50	64.5	87
Max	210 BAR	210 BAR	210 BAR

Stainless Steel Body on Request

Cast Iron Globe Valve

Cast Iron Body, Stainless Steel Disc, Stem & Seat, Graphite Packing
Flanged to PN16, -10°C to +300°C

Handwheel Operated

Size	25	32	40	50	65	80	100	125	150
L	160	180	200	230	290	310	350	400	480
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Cast Steel Available on Request



GLVCI-PN16

Cast Iron Globe Valve Screw Down Non Return

Cast Iron Body, Stainless Steel Disc, Stem & Seat, Graphite Packing
Flanged to PN16, -10°C to +300°C

Handwheel Operated

Size	25	32	40	50	65	80	100	125	150
L	160	180	200	230	290	310	350	400	480
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR



GLVCI-PN16-SDNR

Cast Iron Globe Valve Bellows Seal Type

Cast Iron Body, Stainless Steel Disc, Stem & Seat, Graphite Packing
Flanged to PN16, -10°C to +300°C

Handwheel Operated

Size	25	32	40	50	65	80	100	125	150
L	160	180	200	230	290	310	350	400	480
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR



GLVCI-PN16-BST

Stainless Steel Globe Valve

CF8M Stainless Steel Body, Bonnet & Disc, Rising Stem
Flanged to PN16, -20°C to +450°C

Handwheel Operated

Size	25	40	50	65	80	100
L	127	165	203	216	241	292
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

ANSI 150 Available on Request



GLVSS-PN16

Brass Swing Check Valve



Brass Body, NBR Seal
Screwed BSPP, 0°C to +90°C

NBR Seat

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	43	52	62	72	81	94
Max	16 BAR	16 BAR	12 BAR	10 BAR	10 BAR	10 BAR

Bronze Version Available on Request

SV130

Stainless Steel Swing Check Valve



CF8M Stainless Steel Body, 316 Stainless Steel Disc
Screwed BSPP, 0°C to +100°C

Metal Seat

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	65	80	90	105	120	140
Max	14 BAR	14 BAR	14 BAR	14 BAR	14 BAR	14 BAR

NPT Version Available on Request

SCVSS

Cast Iron Swing Check Valve



Cast Iron Body, EPDM Disc Ring
Flanged to PN16, -10°C to +120°C

Metal Seat

Size	50	65	80	100	125	150
L	200	240	260	300	350	400
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Cast Steel Available on Request

SCVCI

Stainless Steel Swing Check Valve



Stainless Steel Body, Cover and Disc
Flanged to PN16, -20°C to +180°C

Metal Seat

Size	50	65	80	100	150
L	203	216	241	292	356
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Flanged to ANSI 150 Available on Request

SCVSS-PN16

Cast Iron Dual Plate Check Valve

Cast Iron Body, Stainless Steel Plates
 Wafer Type To Suit PN16 Flanges, 0°C to +120°C



DPCV

EPDM Seat

Size	50	65	80	100	125	150	200
L	54	54	57	64	70	76	95
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Larger Sizes Available on Request

Stainless Steel Spring Check Valve

Stainless Steel Body
 Wafer Type To Suit PN10/16/40 and ANSI 150 Flanges, -25°C to +200°C

Metal Seat

Size	25	32	40	50	65	80	100
L	22	28	32	40	46	50	60
Max	40 BAR	40 BAR	40 BAR	40 BAR	40 BAR	40 BAR	40 BAR



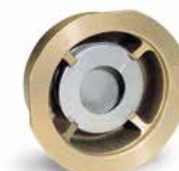
SPCVSS

Bronze Spring Check Valve

Bronze Body, Stainless Steel 316 Disc and Spring
 Wafer Type To Suit PN16 Flanges, 0°C to +250°C

Metal Seat

Size	25	32	40	50	65	80	100
L	22	28	32	40	46	50	60
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR



SPCVBZ

Stainless Steel Swing Check Valve - Wafer Pattern

Stainless Steel Body and Disc, Viton O-Ring
 Wafer Type to PN16 and ANSI 150, -25°C to +180°C

Viton Disc Ring

Size	50	65	80	100	125	150	200	250	300
L	14	14	14	18	18	20	22	26	30
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR



SCVSS

Cast Steel Available on Request

UPVC Swing Check Valve - Wafer Pattern

UPVC Body, EPDM Seals
 0°C to +60°C

EPDM Seals

Size	50	65	80	100	125	150	200	250	300
Max	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR



SCVPVC

Barrel Check Valve

SV101



Brass Body, Polymer Plate, Stainless Steel Spring
Screwed BSPP, -20°C to +100°C

NBR Seal

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	47.5	53.5	60.5	66.5	74	80
Max	12 BAR	12 BAR	12 BAR	10 BAR	10 BAR	10 BAR

Barrel Check Valve

SV103



Brass Body, Brass Plate, 304 Stainless Steel Spring
Screwed BSPP, -20°C to +110°C

NBR Seal

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	57.5	64	71.5	81.5	93.5	98.5
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Larger Sizes Available on Request

Strainer

SV102



To Suit Barrel Check Valve, Stainless Steel Mesh, Plastic Thread
Screwed BSPP Male, -15°C to +150°C

1200um Filtration

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	47	57.5	69	75	83	98

Foot Valve Brass

SV108



Brass Body, Stainless Steel Strainer, Polymer Plate, Stainless Steel Spring
Screwed BSPP, -20°C to +100°C

NBR Seal

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	70	82	91.5	108	119	136.5
Max	12 BAR	12 BAR	12 BAR	10 BAR	10 BAR	10 BAR

Barrel Check Valve Stainless Steel

SV104



CF8M Stainless Steel Body
Screwed BSPP, -25°C to +180°C

Metal Seat

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	56	63	74	81	91	97
Max	82 BAR	82 BAR	82 BAR	69 BAR	69 BAR	62 BAR

Commissioning Valve

DRZ Brass Body, EPDM Seat, With 2 Test Points, Position Indicator
Screwed BSP Female, -10°C to +120°C

Fixed Orifice

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	85	97	113	144	163	193
Max	25 BAR	25 BAR	25 BAR	25 BAR	25 BAR	25 BAR

Press Ends Available on Request



DRVBR-FOTP

Commissioning Valve

DRZ Brass Body, Double Regulating, With 2 Test Points, Position Indicator
Screwed BSP Female, -10°C to +120°C

Variable Orifice

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	77	80	87	108	115	124
Max	25 BAR	25 BAR	25 BAR	25 BAR	25 BAR	25 BAR



DRVBR-VOTP

Double Regulating Valve

DRZ Brass Body, EPDM Seat, Double Regulating, Position Indicator
Screwed BSP Female, -10°C to +130°C

Double Regulating Valve

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	68	77	91	108	116	143
Max	25 BAR	25 BAR	25 BAR	25 BAR	25 BAR	25 BAR

Low Flow Version Available on Request



DRVBR

Double Regulating Valve

Ductile Iron Body, Double Regulating, With 2 Test Points, Position Indicator
Flanged to PN16, -10°C to +120°C

Complete with Test Points

Size	50	65	80	100	125	150	200	250	300
L	230	290	310	350	400	480	600	730	850
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR



DRVDI-PN16

Y Strainer

YSBR



Brass Body, 500µm Filtration
Screwed BSPP, -20°C to +110°C

Stainless Steel Mesh

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	58	70	87	96	106	126
Max	20 BAR	20 BAR	20 BAR	20 BAR	20 BAR	20 BAR

Larger Sizes and Alternative Mesh Sizes Available on Request

Y Strainer

YSSS



CF8M Stainless Steel Body, 1000µm Filtration
Screwed BSPP, -25°C to +180°C

Stainless Steel Mesh

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	64	80	90	106	119	140
Max	55 BAR	55 BAR	55 BAR	55 BAR	55 BAR	55 BAR

Larger Sizes and Alternative Mesh Sizes Available on Request

Y Strainer

YSCI-PN16



Cast Iron Body, 1000µm Filtration, DIN3202 F1
Flanged PN16, -10°C to +300°C

Stainless Steel Mesh

Size	50	65	80	100	125	150
L	230	290	310	350	400	480
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Larger Sizes Available on Request

PVC Spring Check Valve

SPCVP-SW



PVC Body
Imperial Solvent Weld Union Ends, 0°C to +60°C

EPDM Seals

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	80	91	102	120	140	169
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Metric Ends Available on Request

ABS Spring Check Valve

SPCVA-SW



ABS Body
Imperial Solvent Weld Union Ends, 0°C to +60°C

EPDM Seals

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	80	91	102	120	140	169
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Metric Ends Available on Request

Cast Iron Check Valve

Cast Iron Body, EPDM Seal
Flanged to PN10, -10°C to +100°C



EPDM Seat

Size	50	65	80	100	125	150	200
L	100	120	140	170	200	230	289
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	10 BAR

402

Cast Iron Double Check Valve

Cast Iron Body, EPDM Seal
Flanged to PN10, -10°C to +100°C



EPDM Seat

Size	50	65	80	100	125	150	200
L	202	242	828	342	402	462	578
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	10 BAR

402B/402

Cast Iron Ball Check Valve

Cast Iron Body, Resin Ball, NBR Seal
Screwed BSP Female, -10°C to +80°C



NBR Seal

Size	1	1.1/4	1.1/2	2
L	114	132	145	173.5
Max	10 BAR	10 BAR	10 BAR	10 BAR

508

Cast Iron Ball Check Valve

Cast Iron Body, NBR Coated Aluminium Ball, NBR Seal
Flanged to PN10/16, -10°C to +80°C



NBR Seal

Size	50	65	80	100
L	200	240	260	300
Max	10 BAR	10 BAR	10 BAR	10 BAR

418

Cast Iron Foot Valve and Strainer

Cast Iron Body, Stainless Steel Screen, Cast Iron Disc, 8mm Mesh
Flanged to PN10, -10°C to +90°C

EPDM Seat

Size	50	65	80	100	125	150	200
L	175	215	265	315	335	415	500
Max	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR



FVCI-PN16

Actuated Brass Ball Valve



Nickel Plated Brass Body, Chrome Plated Ball, Full Bore, PTFE Seats & Seals
Screwed BSPP, -20°C to +120°C

Pneumatic Double Acting

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	64	76	88	96	103	121
Max	40 BAR	40 BAR	40 BAR	32 BAR	30 BAR	30 BAR

Pneumatic Spring Return

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	64	76	88	96	103	121
Max	40 BAR	40 BAR	40 BAR	32 BAR	30 BAR	30 BAR

Electric

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	64	76	88	96	103	121
Max	40 BAR	40 BAR	40 BAR	32 BAR	30 BAR	30 BAR

WRAS Approved Version Available on Request

SV10B-ACT



Actuated 3 Way Brass Ball Valve



Nickel Plated Brass Body, Chrome Plated Ball, Reduced Bore, PTFE Seats & Seals
Screwed BSPP, Available T or L Ported, -20°C to +120°C

Pneumatic Double Acting

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	78	87	105	118	134	161
Max	30 BAR	30 BAR	20 BAR	20 BAR	16 BAR	16 BAR

Pneumatic Spring Return

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	78	87	105	118	134	161
Max	30 BAR	30 BAR	20 BAR	20 BAR	16 BAR	16 BAR

Electric

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	78	87	105	118	134	161
Max	30 BAR	30 BAR	20 BAR	20 BAR	16 BAR	16 BAR

SV11B-ACT



Actuated 3 Way Stainless Steel Ball Valve



A351 CF8M Stainless Steel Body, SS316 Ball, Reduced Bore, RPTFE Seats & Seals
Screwed BSPP, Available T or L Ported, -20°C to +200°C

Pneumatic Double Acting

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	72	83	110	125	125	149
Max	68 BAR	68 BAR	68 BAR	55 BAR	55 BAR	55 BAR

Pneumatic Spring Return

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	72	83	110	125	125	149
Max	68 BAR	68 BAR	68 BAR	55 BAR	55 BAR	55 BAR

Electric

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	72	83	110	125	125	149
Max	68 BAR	68 BAR	68 BAR	55 BAR	55 BAR	55 BAR

SV21-ACT



Actuated Stainless Steel Ball Valve

CF8M Stainless Steel Body, SS316 Ball, Full Bore, RPTFE Seats & Seals
Screwed BSPP, -50°C to +200°C



proval

Pneumatic Double Acting

Size	1/2	3/4	1	1.1/4	1.1/2	2	2.1/2	3	4
L	65	76	86	103	119	131	164	183	236
Max	64 BAR	64 BAR	64 BAR	64 BAR	64 BAR	64 BAR	50 BAR	50 BAR	50 BAR

Pneumatic Spring Return

Size	1/2	3/4	1	1.1/4	1.1/2	2	2.1/2	3	4
L	65	76	86	103	119	131	164	183	236
Max	64 BAR	64 BAR	64 BAR	64 BAR	64 BAR	64 BAR	50 BAR	50 BAR	50 BAR

Electric

Size	1/2	3/4	1	1.1/4	1.1/2	2	2.1/2	3	4
L	65	76	86	103	119	131	164	183	236
Max	64 BAR	64 BAR	64 BAR	64 BAR	64 BAR	64 BAR	50 BAR	50 BAR	50 BAR



SV30-ACT

Actuated Valves

Stainless Steel Angle Seat Valve

316 Stainless Steel Body, 304 Actuator, RPTFE Seats
Screwed BSPP, Minimum 3 BAR Control Pressure

proval

Pneumatic Spring Return - Normally Closed

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	68	75	90	116	116	138
Actuator Size	40	50	63	63	90	90
Max Above Seat	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR
Max Below Seat	11 BAR	11 BAR	14 BAR	6 BAR	16 BAR	10 BAR

Normally Open and Double Acting Available On Request



SV900

Actuated Stainless Steel Ball Valve - Wafer Pattern

SV10SP-ACT



SS316 One Piece Wafer Pattern Body, SS316 Ball, Full Bore, PTFE Seats & Seals
Flanged To PN16, Anti Static Design, -50°C to +200°C



Pneumatic Double Acting

Size	25	32	40	50	65	80	100
L	50	60	65	80	110	122	150
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Pneumatic Spring Return

Size	25	35	40	50	68	80	100
L	50	60	65	80	110	122	150
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Electric

Size	25	35	40	50	68	80	100
L	50	60	65	80	110	122	150
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

WCB Carbon Steel Available On Request

Actuated Stainless Steel Ball Valve - Flanged

SV20SP-ACT



CF8M Stainless Steel Split Body, SS316 Ball, PTFE Seats & Seals, Anti Static
Flanged to PN16, -30°C to +200°C



Pneumatic Double Acting

Size	25	32	40	50	65	80	100	150
L	125	130	140	150	170	180	190	350
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Pneumatic Spring Return

Size	25	32	40	50	65	80	100	150
L	125	130	140	150	170	180	190	350
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Electric

Size	25	32	40	50	65	80	100	150
L	125	130	140	150	170	180	190	350
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

ANSI 150 and 300 Available on Request

Actuated Cast Steel Ball Valve - Flanged

SV20CP-ACT



Cast Steel Split Body, Epoxy Coated, SS316 Ball, PTFE Seats & Seals
Flanged to PN16, -30°C to +200°C



Pneumatic Double Acting

Size	25	32	40	50	65	80	100	150
L	125	130	140	150	170	180	190	350
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Pneumatic Spring Return

Size	25	32	40	50	65	80	100	150
L	125	130	140	150	170	180	190	350
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Electric

Size	25	32	40	50	65	80	100	150
L	125	130	140	150	170	180	190	350
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

ANSI 150 and 300 Available on Request

Actuated Knife Gate Valve Cast Iron

Cast Iron GG25 Body, Unidirectional Design, EPDM Seats
Wafer Type to PN10

Pneumatic Double Acting

Size	50	65	80	100	125	150	200	250	300
L	40	40	50	50	50	60	60	70	70
Max	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	8 BAR	7 BAR	5 BAR	5 BAR

Size	350	400	450	500	600
L	96	100	106	110	110
Max	4 BAR	4 BAR	3 BAR	3 BAR	3 BAR

Different Seat Materials Available On Request



KGV-CISS-DA

Actuated Valves

Actuated Knife Gate Valve Stainless Steel

Stainless Steel Body, Unidirectional Design, EPDM Seats
Wafer Type to PN10

Pneumatic Double Acting

Size	50	65	80	100	125	150	200	250	300
L	40	40	50	50	50	60	60	70	70
Max	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	8 BAR	7 BAR	5 BAR	5 BAR

Size	350	400	450	500	600
L	96	100	106	110	110
Max	4 BAR	4 BAR	3 BAR	3 BAR	3 BAR

Different Seat Materials Available On Request



KGV-SSSS-DA

Actuated PVC Ball Valve

PVC Double Union Ends, EPDM Seats
Solvent Weld Imperial Ends, 0°C to +60°C

Pneumatic Double Acting

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	102	120	128	147	163	197
Max	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR

Pneumatic Spring Return

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	102	120	128	147	163	197
Max	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR

Electric

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	102	120	128	147	163	197
Max	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR	10 BAR

ABS, Metric and Screwed Ends Available On Request

proval



SV10P-ACT

Actuated Cast Iron Butterfly Valve - Wafer Pattern

SV50SE-ACT



Cast Iron GG25 Body, 316 Stainless Steel Disc, EPDM Seats
Wafer Type To PN6/10/16 ANSI 150



Pneumatic Double Acting

Size	50	65	80	100	125	150	200	250	300
L	43	46	46	52	56	56	60	68	78
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Pneumatic Spring Return

Size	50	65	80	100	125	150	200	250	300
L	43	46	46	52	56	56	60	68	78
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Electric

Size	50	65	80	100	125	150	200	250	300
L	43	46	46	52	56	56	60	68	78
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Ductile Iron Disc Available on Request

Actuated Cast Iron Butterfly Valve - Wafer Pattern

SV50SN-ACT



Cast Iron GG25 Body, 316 Stainless Steel Disc, NBR Seats
Wafer Type To PN6/10/16 ANSI 150



Pneumatic Double Acting

Size	50	65	80	100	125	150	200	250	300
L	43	46	46	52	56	56	60	68	78
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Pneumatic Spring Return

Size	50	65	80	100	125	150	200	250	300
L	43	46	46	52	56	56	60	68	78
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Electric

Size	50	65	80	100	125	150	200	250	300
L	43	46	46	52	56	56	60	68	78
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Ductile Iron Disc Available on Request

Actuated High Performance Butterfly Valve

SV110SP-ACT



Stainless Steel Body, Double Eccentric Design, PTFE Seat, Anti Static
Wafer Type To PN16



Pneumatic Double Acting

Size	50	65	80	100	125	150	200	250	300
L	43	46	47	53	57	56	62	68	78
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Pneumatic Spring Return

Size	50	65	80	100	125	150	200	250	300
L	43	46	47	53	57	56	62	68	78
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Electric

Size	50	65	80	100	125	150	200	250	300
L	43	46	47	53	57	56	62	68	78
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Actuated Cast Iron Butterfly Valve - Lugged Pattern

Cast Iron GG25 Body, 316 Stainless Steel Disc, EPDM Seats
Lugged Type To PN16



SV605E-ACT

Pneumatic Double Acting

Size	50	65	80	100	125	150	200	250	300
L	43	46	46	52	56	56	60	68	78
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Pneumatic Spring Return

Size	50	65	80	100	125	150	200	250	300
L	43	46	46	52	56	56	60	68	78
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Electric

Size	50	65	80	100	125	150	200	250	300
L	43	46	46	52	56	56	60	68	78
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Ductile Iron Disc Available on Request

Actuated Cast Iron Butterfly Valve - Lugged Pattern

Cast Iron GG25 Body, 316 Stainless Steel Disc, NBR Seats
Lugged Type To PN16



SV605N-ACT

Pneumatic Double Acting

Size	50	65	80	100	125	150	200	250	300
L	43	46	46	52	56	56	60	68	78
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Pneumatic Spring Return

Size	50	65	80	100	125	150	200	250	300
L	43	46	46	52	56	56	60	68	78
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Electric

Size	50	65	80	100	125	150	200	250	300
L	43	46	46	52	56	56	60	68	78
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Ductile Iron Disc Available on Request

Actuated Cast Iron Butterfly Valve - Wafer Pattern WRAS Approved

Cast iron GG25 Body, 316 Stainless Steel Disc, EPDM Seats
Wafer Type To PN6/10/16 ANSI 150



SV50W-ACT

Pneumatic Double Acting

Size	50	65	80	100	125	150	200	250	300
L	43	46	46	52	56	56	60	68	78
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Pneumatic Spring Return

Size	50	65	80	100	125	150	200	250	300
L	43	46	46	52	56	56	60	68	78
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Electric

Size	50	65	80	100	125	150	200	250	300
L	43	46	46	52	56	56	60	68	78
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Lugged Version Available on Request

Namur Solenoid Valve

SVA240



SVA240 Series solenoid valves are designed for direct assembly on rotary type actuators 3/2 or 5/2 to suit Double Acting or Spring Return Actuators
Solenoid Spring, 1/4" BSP Inlet & Exhausts, Complete with Coil and Connector
IP65, 24VDC, 24VAC, 110VAC, 220VAC, -10°C to +70°C, 2 - 10 BAR Working Pressure



To Suit Quarter Turn Pneumatic Actuators with Namur

Limit Switch Box

SVA250



SVA250 Series limit switch boxes are used on rotary valve actuators to generate open/close signal
IP67 Mechanical Limit Switch Box 2x Open/Close Micro Switches, 3D Indicator M20 Cable Entry



To Suit Quarter Turn Pneumatic Actuators with Namur

ATEX Limit Switch Box

SVA250MEX



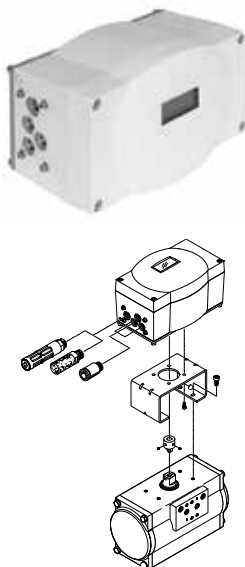
SVA250 Series limit switch boxes are used on rotary valve actuators to generate open/close signal
Hazardous Area Limit Switch Box Suitable Zones 1 & 2 IP67 2x Open/Close Switches, 3D Indicator M20 Cable Entry



To Suit Quarter Turn Pneumatic Actuators with Namur

Positioner

CMSX



Festo CMSX Series positioners are designed for position control on pneumatic quarter turn actuators in process automation systems.



The CMSX enables simple and efficient position control based on the PID control algorithm. Positions are specified via a setpoint signal. The integrated potentiometer senses the current position of the quarter turn actuator via the shaft and forwards the measured value to the internal regulator. The regulator compares the setpoint value specified by analogue means with the measured value and actuates the solenoid valves accordingly via pulse-width modulation (PWM).

To Suit Quarter Turn Pneumatic Actuators with VDI/VDE 3845 (NAMUR)

Type	Flow	Setpoint	Feedback	Operating Pressure	Part Number
DA	50 l/min	0 - 20 mA	4 - 20 mA	3 - 8 BAR	CMSX-P-S-C-U-F1-D-50-A
SR		4 - 20 mA			CMSX-P-S-C-U-F1-S-50-A
		0 - 10 V			

Mounting Bracket to Suit SVDA/SVSR/DFPD Actuator DARQ-K-P-A1-F05-20-R1

2/2 N/C Solenoid Valve Direct Acting

Brass Body, Media Air/Water/Gas/Light Oil/Vacuum
Screwed BSPP, Complete with IP65 LED Connector and Coil, Ambient -10°C to +50°C



2/2 Normally Closed Direct Acting

Port	Orifice	Min	Max AC	Max DC	Seals	Part Number
1/8	3.0mm	0 BAR	10 BAR	7 BAR	NBR +80°C SILICONE +120°C EPDM +120°C FKM +120°C PTFE +120°C	SVA103 + seal + voltage - 18
1/8	4.0mm	0 BAR	7 BAR	5 BAR		SVA104 + seal + voltage - 18
1/8	5.0mm	0 BAR	5 BAR	3.5 BAR		SVA105 + seal + voltage - 18
1/4	3.0mm	0 BAR	10 BAR	7 BAR		SVA103 + seal + voltage - 14
1/4	4.0mm	0 BAR	7 BAR	5 BAR		SVA104 + seal + voltage - 14
1/4	5.0mm	0 BAR	5 BAR	3.5 BAR		SVA105 + seal + voltage - 14
3/8	4.0mm	0 BAR	10 BAR	7 BAR		SVA104 + seal + voltage - 38
3/8	6.0mm	0 BAR	5 BAR	3.5 BAR		SVA106 + seal + voltage - 38
3/8	8.0mm	0 BAR	2 BAR	1.4 BAR		SVA106 + seal + voltage - 38
1/2	6.0mm	0 BAR	5 BAR	3.5 BAR		SVA106 + seal + voltage - 12
1/2	8.0mm	0 BAR	2 BAR	1.4 BAR		SVA108 + seal + voltage - 12

ATEX Coil Available on Request

SVA10

2/2 N/C Solenoid Valve Direct Acting

316 Stainless Steel Body, Media Air/Water/Gas/Light Oil/Vacuum
Screwed BSPP, Complete with IP65 LED Connector and Coil, Ambient -10°C to +50°C



2/2 Normally Closed Direct Acting

Port	Orifice	Min	Max AC	Max DC	Seals	Part Number
1/4	3.0mm	0 BAR	10 BAR	7 BAR	NBR +80°C SILICONE +120°C EPDM +120°C FKM +120°C PTFE +120°C	SVA203 + seal + voltage - 14
1/4	4.0mm	0 BAR	7 BAR	5 BAR		SVA204 + seal + voltage - 14
1/4	5.0mm	0 BAR	5 BAR	3.5 BAR		SVA205 + seal + voltage - 14
3/8	4.0mm	0 BAR	10 BAR	7 BAR		SVA204 + seal + voltage - 38
3/8	6.0mm	0 BAR	5 BAR	3.5 BAR		SVA206 + seal + voltage - 38
3/8	8.0mm	0 BAR	2 BAR	1.4 BAR		SVA208 + seal + voltage - 38
1/2	6.0mm	0 BAR	5 BAR	3.5 BAR		SVA206 + seal + voltage - 12
1/2	8.0mm	0 BAR	2 BAR	1.4 BAR		SVA208 + seal + voltage - 12

ATEX Coil Available on Request

SVA20

2/2 N/C Solenoid Valve Timed Drain Valve

For Compressed Air Systems, Interval Time 0.5 - 45 minutes, Discharge Time 0.5 - 10 secs
IP65 Coil and Connector, -20°C to +60°C



2/2 Normally Closed Direct Acting

Port	Voltage	Max Pressure	Part Number
1/4 BSP	230 VAC	16 BAR	TEC22-230-14
3/8 BSP	230 VAC		TEC22-230-38
1/2 BSP	230 VAC		TEC22-230-12
3/8 BSP	110 VAC		TEC22-110-38
1/2 BSP	110 VAC		TEC22-110-12
3/8 BSP	24 VAC		TEC22-24-38
1/2 BSP	24 VAC	TEC22-24-12	

TEC22

2/2 N/C Solenoid Valve Pilot Operated



Brass Body, Media Air/Water/Gas/Light Oil
Screwed BSPP, Complete with IP65 Connector and Coil



2/2 Normally Closed

Port	Orifice	Min	Max AC	Max DC	Seals	Part Number
3/8	13mm	0.5 BAR	16 BAR	16 BAR	EPDM +120°C	SVA100WE + voltage - 38
1/2	13mm	0.5 BAR	16 BAR	16 BAR		SVA100WE + voltage - 12
3/4	25mm	0.5 BAR	16 BAR	16 BAR		SVA100WE + voltage - 34
1	25mm	0.5 BAR	16 BAR	16 BAR		SVA100WE + voltage - 1
1.1/4	38mm	0.5 BAR	16 BAR	16 BAR		SVA100WE + voltage - 114
1.1/2	38mm	0.5 BAR	16 BAR	16 BAR		SVA100WE + voltage - 112
2	50mm	0.5 BAR	16 BAR	16 BAR		SVA100WE + voltage - 2

Normally Open and Flange Connections Available on Request

SVA100WE

2/2 N/O Solenoid Valve Pilot Operated



Brass Body, Media Air/Water/Gas/Light Oil
Screwed BSPP, Complete with IP65 Connector and Coil



2/2 Normally Open

Port	Orifice	Min	Max AC	Max DC	Seals	Part Number
3/8	13mm	0.5 BAR	8 BAR	8 BAR	EPDM +120°C	SVA100WE-NO + voltage - 38
1/2	13mm	0.5 BAR	8 BAR	8 BAR		SVA100WE-NO + voltage - 12
3/4	25mm	0.5 BAR	8 BAR	8 BAR		SVA100WE-NO + voltage - 34
1	25mm	0.5 BAR	8 BAR	8 BAR		SVA100WE-NO + voltage - 1
1.1/4	38mm	0.5 BAR	8 BAR	8 BAR		SVA100WE-NO + voltage - 114
1.1/2	38mm	0.5 BAR	8 BAR	8 BAR		SVA100WE-NO + voltage - 112
2	50mm	0.5 BAR	8 BAR	8 BAR		SVA100WE-NO + voltage - 2

Normally Open and Flange Connections Available on Request

SVA100WE-NO

2/2 N/C Solenoid Valve Assisted Lift

Brass Body, Media Air/Water/Gas/Light Oil/Vacuum

Screwed BSPP, Complete with IP65 Connector and Coil, Ambient -20°C to +60°C

2/2 Normally Closed Servo Assisted

Port	Orifice	Min	Max AC	Max DC	Seals	Part Number
3/8	13mm	0.5 BAR	15 BAR	15 BAR		SVA100 + seal + voltage - 38
1/2	13mm	0.5 BAR	15 BAR	15 BAR		SVA100 + seal + voltage - 12
3/4	25mm	0.5 BAR	15 BAR	15 BAR	NBR +80°C FKM +130°C EPDM +160°C	SVA100 + seal + voltage - 34
1	25mm	0.5 BAR	15 BAR	15 BAR		SVA100 + seal + voltage - 1
1.1/4	38mm	0.5 BAR	15 BAR	15 BAR		SVA100 + seal + voltage - 114
1.1/2	38mm	0.5 BAR	15 BAR	15 BAR		SVA100 + seal + voltage - 112
2	50mm	0.5 BAR	15 BAR	15 BAR		SVA100 + seal + voltage - 2

Normally Open and ATEX Coil Options Available on Request



SVA100

2/2 N/C Solenoid Valve Assisted Lift

Stainless Steel Body, Media Air/Water/Gas/Light Oil/Vacuum

Screwed BSPP, Complete with IP65 Connector and Coil, Ambient -20°C to +60°C

2/2 Normally Closed Servo Assisted

Port	Orifice	Min	Max AC	Max DC	Seals	Part Number
3/8	13mm	0.5 BAR	15 BAR	15 BAR		SVA200 + seal + voltage - 38
1/2	13mm	0.5 BAR	15 BAR	15 BAR		SVA200 + seal + voltage - 12
3/4	25mm	0.5 BAR	15 BAR	15 BAR	NBR +80°C FKM +130°C EPDM +160°C	SVA200 + seal + voltage - 34
1	25mm	0.5 BAR	15 BAR	15 BAR		SVA200 + seal + voltage - 1
1.1/4	38mm	0.5 BAR	15 BAR	15 BAR		SVA200 + seal + voltage - 114
1.1/2	38mm	0.5 BAR	15 BAR	15 BAR		SVA200 + seal + voltage - 112
2	50mm	0.5 BAR	15 BAR	15 BAR		SVA200 + seal + voltage - 2

Normally Open and ATEX Coil Options Available on Request



SVA200

2/2 N/C Solenoid Valve High Temperature

Brass Body, Media Air/Water/Gas/Light Oil/Steam

Screwed BSPP, PTFE Seat, Complete with IP65 Connector and Coil

2/2 Normally Closed Assisted Lift

Port	Orifice	Min	Max	Max Steam	Seals	Part Number
3/8	15mm	0.5 BAR	20 BAR	12 BAR		SVA320P + voltage - 38
1/2	15mm	0.5 BAR	20 BAR	12 BAR		SVA320P + voltage - 12
3/4	20mm	0.5 BAR	20 BAR	12 BAR	PTFE +200°C	SVA320P + voltage - 34
1	25mm	0.5 BAR	20 BAR	12 BAR		SVA320P + voltage - 1
1.1/4	35mm	0.5 BAR	20 BAR	12 BAR		SVA320P + voltage - 114
1.1/2	35mm	0.5 BAR	20 BAR	12 BAR		SVA320P + voltage - 112
2	50mm	0.5 BAR	20 BAR	12 BAR		SVA320P + voltage - 2

Normally Open and ATEX Coil Options Available on Request



SVA320

Gunmetal CE Angled Type Safety Valve



642

For the protection of pressure vessels/systems for neutral/non-neutral vapours, gases, liquids, steam
Screwed BSPP Female, ISO 4126-1, PED, CE and WRAS approved, -50°C to +200°C (PTFE Seals)



Gunmetal Bronze Body

Inlet	Outlet	Orifice	L	Range
1/2	1/2	15mm	35	0.5 - 16 BAR
3/4	3/4	20mm	42	
1	1	25mm	45	
1.1/4	1.1/4	32mm	47	
1.1/2	1.1/2	40mm	58	
2	2	50mm	58	
2.1/2	2.1/2	65mm	80	

Valves are supplied to your specific application and performance requirements

Valves are set and sealed at the factory

Call us on 01424 444222 for a tailored quotation

Gunmetal CE Angled Type Safety Valve



652

For the protection of pressure vessels/systems for neutral/non-neutral vapours, gases, liquids and steam.
Screwed BSPP Female, ISO 4126-1, TUV, PED, CE, -60°C to +130°C (NBR Seals)



Gunmetal Bronze Body

Inlet	Outlet	Orifice	L	Range
1/2	1/2	15mm	26	1 - 16 BAR
3/4	3/4	20mm	31	
1	1	25mm	35	
1.1/4	1.1/4	32mm	40	
1.1/2	1.1/2	40mm	46	
2	2	50mm	54	

Valves are supplied to your specific application and performance requirements

Valves are set and sealed at the factory

Call us on 01424 444222 for a tailored quotation

Gunmetal CE Angled Type Safety Valve



851

For the protection of pressure vessels/systems for neutral/non-neutral vapours, gases, liquids and steam.
Screwed BSPP Female, ISO 4126-1, TUV, PED, CE, -60°C to +220°C (PTFE Seals)



Gunmetal Bronze Body

Inlet	Outlet	Orifice	L	Range
1/2	1	15mm	40	0.5 - 50 BAR
3/4	1.1/4	20mm	43	
1	1.1/2	25mm	50	
1.1/4	2	32mm	61	
1.1/2	2	32mm	61	
2	2	32mm	61	

Valves are supplied to your specific application and performance requirements

Valves are set and sealed at the factory

Call us on 01424 444222 for a tailored quotation

Brass CE Atmospheric Discharge Safety Valve

For the protection of pressure tanks/systems for air and other neutral gases.
Screwed BSPP Male, ISO 4126-1, PED and CE approved, -20°C to +200°C (FKM Seats)



Brass Body

Inlet	Orifice	Range
1/4	8mm	0.2 - 50 BAR
3/8	10mm	
1/2	15mm	
3/4	20mm	
1	25mm	

Valves are supplied to your specific application and performance requirements

Valves are set and sealed at the factory

Call us on 01424 444222 for a tailored quotation



810

Brass CE Atmospheric Discharge Safety Valve

For the protection of pressure tanks/systems for air and other neutral gases.
Screwed BSPP Male, ISO 4126-1, PED and CE approved, -30°C to +130°C (NBR Seats)



Brass Body with Twist Type Lifting Mechanism

Inlet	Orifice	Range
1/2	15mm	0.2 - 50 BAR
3/4	20mm	
1	25mm	
1.1/4	32mm	
1.1/2	40mm	
2	50mm	

Valves are supplied to your specific application and performance requirements

Valves are set and sealed at the factory

Call us on 01424 444222 for a tailored quotation



812

Brass CE Atmospheric Discharge Safety Valve with Shroud

For the protection of pressure tanks/systems for air and other neutral gases.
Specifically designed for dirty environments, liquid, granular and dusty media
Screwed BSPP Male, ISO 4126-1, PED and CE approved, -20°C to +200°C (FKM Seats)



Brass Body with Twist Type Lifting Mechanism

Inlet	Orifice	Range
1/2	15mm	0.2 - 6 BAR
3/4	20mm	
1	25mm	
1.1/4	32mm	
1.1/2	40mm	
2	50mm	

Valves are supplied to your specific application and performance requirements

Valves are set and sealed at the factory

Call us on 01424 444222 for a tailored quotation



813

Gunmetal Pressure Relief Valve



For the protection of pressure vessels/systems for neutral/non-neutral vapours, gases, liquids and steam.
Screwed BSPP Female. PED Approved. -60°C to +225°C (PTFE Seals)



Gunmetal Bronze Body

Inlet	Outlet	Orifice	Range
3/8	3/8	10mm	
1/2	1/2	15mm	
3/4	3/4	20mm	0.2 - 0.8 BAR
1	1	25mm	0.5 - 2.5 BAR
1.1/4	1.1/4	32mm	2 - 12 BAR
1.1/2	1.1/2	40mm	12 - 20 BAR
2	2	50mm	

Valves are supplied to your specific application and performance requirements

Valves can be supplied set or unset within a spring range

Call us on 01424 444222 for a tailored quotation

618

Pressure Reducing Valve



Brass Body, Outlet 0.5 to 6 BAR, Max Inlet 25 BAR, 1/4 Gauge Port
Screwed BSP Female, -10°C to +80°C



Without Gauge

Size	1/2	3/4	1	1.1/4	1.1/2	2
L	75	85	89	125	130	138

PRV

Gunmetal Pressure Reducing Valve



For the protection of domestic and commercial water supply systems and industrial plants.
Screwed Ends Union BSPT Male, DVGW, ACS, PED, CE, WRAS approved. -10°C to +95°C (EPDM Seals)



Gunmetal Body

Inlet	Outlet	Orifice	Inlet	Outlet
1/2	1/2	15mm		
3/4	3/4	20mm		
1	1	25mm	25 BAR	0.5 - 2 BAR
1.1/4	1.1/4	32mm	40 BAR	1 - 8 BAR
1.1/2	1.1/2	40mm	40 BAR	5 - 15 BAR
2	2	50mm		

Valves are supplied to your specific application and performance requirements

Valves can be supplied set or unset within a spring range

Call us on 01424 444222 for a tailored quotation

681

Gunmetal Flanged Pressure Reducing Valve



For the protection of domestic and commercial water supply systems and industrial plants.
Flanged Ends PN16, DVGW, ACS, PED, CE, WRAS approved. -10°C to +95°C (EPDM Seals)



Gunmetal Bronze Body

Inlet	Outlet	Orifice	Inlet	Outlet
DN25	DN25	25mm		
DN32	DN32	32mm		
DN40	DN40	40mm	25 BAR	0.5 - 2 BAR
DN50	DN50	50mm	40 BAR	1 - 8 BAR
DN65	DN65	65mm	40 BAR	5 - 15 BAR
DN80	DN80	80mm		
DN100	DN100	100mm		

Valves are supplied to your specific application and performance requirements

Valves can be supplied set or unset within a spring range

Call us on 01424 444222 for a tailored quotation

682



40mm Bottom Connection 1/8BSPT Metal Case

Part Number	Range PSI	Range BAR
B001A139A	-30 .. 0" hg	-1 .. 0
B001A140A	0 .. 15	0 .. 1
B001A142A	0 .. 30	0 .. 2
B001A144A	0 .. 60	0 .. 4
B001A146A	0 .. 100	0 .. 7
B001A148A	0 .. 160	0 .. 11
B001A150A	0 .. 200	0 .. 14
B001A152A	0 .. 300	0 .. 21
B001A154A	0 .. 400	0 .. 28



40mm Back Connection 1/8BSPT Metal Case

Part Number	Range PSI	Range BAR
B001E139A	-30 .. 0" hg	-1 .. 0
B001E140A	0 .. 15	0 .. 1
B001E142A	0 .. 30	0 .. 2
B001E144A	0 .. 60	0 .. 4
B001E146A	0 .. 100	0 .. 7
B001E148A	0 .. 160	0 .. 11
B001E150A	0 .. 200	0 .. 14
B001E152A	0 .. 300	0 .. 21
B001E154A	0 .. 400	0 .. 28



50mm Bottom Connection 1/8BSPT Metal Case

Part Number	Range PSI	Range BAR
B101A139A	-30 .. 0" hg	-1 .. 0
B101A140A	0 .. 15	0 .. 1
B101A142A	0 .. 30	0 .. 2
B101A144A	0 .. 60	0 .. 4
B101A146A	0 .. 100	0 .. 7
B101A148A	0 .. 160	0 .. 11
B101A150A	0 .. 200	0 .. 14
B101A152A	0 .. 300	0 .. 21
B101A154A	0 .. 400	0 .. 28



50mm Back Connection 1/8BSPT Metal Case

Part Number	Range PSI	Range BAR
B101E139A	-30 .. 0" hg	-1 .. 0
B101E140A	0 .. 15	0 .. 1
B101E142A	0 .. 30	0 .. 2
B101E144A	0 .. 60	0 .. 4
B101E146A	0 .. 100	0 .. 7
B101E148A	0 .. 160	0 .. 11
B101E150A	0 .. 200	0 .. 14
B101E152A	0 .. 300	0 .. 21
B101E154A	0 .. 400	0 .. 28



50mm Bottom Connection 1/4BSPT Metal Case

Part Number	Range PSI	Range BAR
B101A139B	-30 .. 0" hg	-1 .. 0
B101A140B	0 .. 15	0 .. 1
B101A142B	0 .. 30	0 .. 2
B101A144B	0 .. 60	0 .. 4
B101A146B	0 .. 100	0 .. 7
B101A148B	0 .. 160	0 .. 11
B101A150B	0 .. 200	0 .. 14
B101A152B	0 .. 300	0 .. 21
B101A154B	0 .. 400	0 .. 28



50mm Back Connection 1/4BSPT Metal Case

Part Number	Range PSI	Range BAR
B101E139B	-30 .. 0" hg	-1 .. 0
B101E140B	0 .. 15	0 .. 1
B101E142B	0 .. 30	0 .. 2
B101E144B	0 .. 60	0 .. 4
B101E146B	0 .. 100	0 .. 7
B101E148B	0 .. 160	0 .. 11
B101E150B	0 .. 200	0 .. 14
B101E152B	0 .. 300	0 .. 21
B101E154B	0 .. 400	0 .. 28

Dry Pressure Gauges



63mm Bottom Connection 1/4BSPP Metal Case

Part Number	Range PSI	Range BAR
B201A239K	-30 .. 0" hg	-1 .. 0
B201A240K	0 .. 15	0 .. 1
B201A242K	0 .. 30	0 .. 2
B201A244K	0 .. 60	0 .. 4
B201A246K	0 .. 100	0 .. 7
B201A248K	0 .. 160	0 .. 11
B201A250K	0 .. 200	0 .. 14
B201A252K	0 .. 300	0 .. 21
B201A254K	0 .. 400	0 .. 28
B201A257K	0 .. 600	0 .. 41
B201A262K	0 .. 1000	0 .. 70



63mm Back Connection 1/4BSPP Metal Case

Part Number	Range PSI	Range BAR
B201E239K	-30 .. 0" hg	-1 .. 0
B201E240K	0 .. 15	0 .. 1
B201E242K	0 .. 30	0 .. 2
B201E244K	0 .. 60	0 .. 4
B201E246K	0 .. 100	0 .. 7
B201E248K	0 .. 160	0 .. 11
B201E250K	0 .. 200	0 .. 14
B201E252K	0 .. 300	0 .. 21
B201E254K	0 .. 400	0 .. 28
B201E257K	0 .. 600	0 .. 41
B201E262K	0 .. 1000	0 .. 70



40mm Back Connection 1/8BSPT Metal Case Panel Mount

Part Number	Range PSI	Range BAR
B001F139A	-30 .. 0" hg	-1 .. 0
B001F140A	0 .. 15	0 .. 1
B001F142A	0 .. 30	0 .. 2
B001F144A	0 .. 60	0 .. 4
B001F146A	0 .. 100	0 .. 7
B001F148A	0 .. 160	0 .. 11
B001F150A	0 .. 200	0 .. 14
B001F152A	0 .. 300	0 .. 21
B001F154A	0 .. 400	0 .. 28



50mm Back Connection 1/8BSPT Metal Case Panel Mount

Part Number	Range PSI	Range BAR
B101F139A	-30 .. 0" hg	-1 .. 0
B101F140A	0 .. 15	0 .. 1
B101F142A	0 .. 30	0 .. 2
B101F144A	0 .. 60	0 .. 4
B101F146A	0 .. 100	0 .. 7
B101F148A	0 .. 160	0 .. 11
B101F150A	0 .. 200	0 .. 14
B101F152A	0 .. 300	0 .. 21
B101F154A	0 .. 400	0 .. 28



63mm Back Connection 1/4BSPT Metal Case Panel Mount

Part Number	Range PSI	Range BAR
B201F239B	-30 .. 0" hg	-1 .. 0
B201F240B	0 .. 15	0 .. 1
B201F242B	0 .. 30	0 .. 2
B201F244B	0 .. 60	0 .. 4
B201F246B	0 .. 100	0 .. 7
B201F248B	0 .. 160	0 .. 11
B201F250B	0 .. 200	0 .. 14
B201F252B	0 .. 300	0 .. 21
B201F254B	0 .. 400	0 .. 28
B201F257B	0 .. 600	0 .. 41
B201F262B	0 .. 1000	0 .. 70



40mm Bottom Connection 1/8BSPT Stainless Steel Case

Part Number	Range PSI	Range BAR
B002A142A	0 .. 30	0 .. 2
B002A144A	0 .. 60	0 .. 4
B002A146A	0 .. 100	0 .. 7
B002A148A	0 .. 160	0 .. 11



40mm Back Connection 1/8BSPT Stainless Steel Case

Part Number	Range PSI	Range BAR
B002E142A	0 .. 30	0 .. 2
B002E144A	0 .. 60	0 .. 4
B002E146A	0 .. 100	0 .. 7
B002E148A	0 .. 160	0 .. 11
B002E150A	0 .. 200	0 .. 14



40mm Back Connection 1/4BSPT Stainless Steel Case

Part Number	Range PSI	Range BAR
B002E142B	0 .. 30	0 .. 2
B002E144B	0 .. 60	0 .. 4
B002E146B	0 .. 100	0 .. 7
B002E148B	0 .. 160	0 .. 11
B002E150B	0 .. 200	0 .. 14



50mm Back Connection 1/8BSPT Stainless Steel Case

Part Number	Range PSI	Range BAR
B102E148A	0 .. 160	0 .. 11



50mm Back Connection 1/4BSPT Stainless Steel Case

Part Number	Range PSI	Range BAR
B102E142B	0 .. 30	0 .. 2
B102E144B	0 .. 60	0 .. 4
B102E146B	0 .. 100	0 .. 7
B102E148B	0 .. 160	0 .. 11

Glycerine Filled Pressure Gauges



50mm Bottom Connection 1/8BSPP Stainless Steel Case		
Part Number	Range PSI	Range BAR
B122A139J	-30 .. 0" hg	-1 .. 0
B122A140J	0 .. 15	0 .. 1
B122A142J	0 .. 30	0 .. 2
B122A144J	0 .. 60	0 .. 4
B122A146J	0 .. 100	0 .. 7
B122A148J	0 .. 160	0 .. 11
B122A150J	0 .. 200	0 .. 14
B122A152J	0 .. 300	0 .. 21
B122A154J	0 .. 400	0 .. 28
B122A157J	0 .. 600	0 .. 41
B122A162J	0 .. 1000	0 .. 70
B122A164J	0 .. 1500	0 .. 103
B122A165J	0 .. 2000	0 .. 138
B122A167J	0 .. 2500	0 .. 172
B122A169J	0 .. 3000	0 .. 207
B122A171J	0 .. 4000	0 .. 275
B122A173J	0 .. 5000	0 .. 345
B122A175J	0 .. 6000	0 .. 414



50mm Back Connection 1/8BSPP Metal Case		
Part Number	Range PSI	Range BAR
B122E139J	-30 .. 0" hg	-1 .. 0
B122E140J	0 .. 15	0 .. 1
B122E142J	0 .. 30	0 .. 2
B122E144J	0 .. 60	0 .. 4
B122E146J	0 .. 100	0 .. 7
B122E148J	0 .. 160	0 .. 11
B122E150J	0 .. 200	0 .. 14
B122E152J	0 .. 300	0 .. 21
B122E154J	0 .. 400	0 .. 28
B122E157J	0 .. 600	0 .. 41
B122E162J	0 .. 1000	0 .. 70
B122E164J	0 .. 1500	0 .. 103
B122E165J	0 .. 2000	0 .. 138
B122E167J	0 .. 2500	0 .. 172
B122E169J	0 .. 3000	0 .. 207
B122E171J	0 .. 4000	0 .. 275
B122E173J	0 .. 5000	0 .. 345
B122E175J	0 .. 6000	0 .. 414



50mm Bottom Connection 1/4BSPP Stainless Steel Case		
Part Number	Range PSI	Range BAR
B122A139K	-30 .. 0" hg	-1 .. 0
B122A140K	0 .. 15	0 .. 1
B122A142K	0 .. 30	0 .. 2
B122A144K	0 .. 60	0 .. 4
B122A146K	0 .. 100	0 .. 7
B122A148K	0 .. 160	0 .. 11
B122A150K	0 .. 200	0 .. 14
B122A152K	0 .. 300	0 .. 21
B122A154K	0 .. 400	0 .. 28
B122A157K	0 .. 600	0 .. 41
B122A162K	0 .. 1000	0 .. 70
B122A164K	0 .. 1500	0 .. 103
B122A165K	0 .. 2000	0 .. 138
B122A167K	0 .. 2500	0 .. 172
B122A169K	0 .. 3000	0 .. 207
B122A171K	0 .. 4000	0 .. 275
B122A173K	0 .. 5000	0 .. 345
B122A175K	0 .. 6000	0 .. 414



50mm Back Connection 1/4BSPP Metal Case		
Part Number	Range PSI	Range BAR
B122E139K	-30 .. 0" hg	-1 .. 0
B122E140K	0 .. 15	0 .. 1
B122E142K	0 .. 30	0 .. 2
B122E144K	0 .. 60	0 .. 4
B122E146K	0 .. 100	0 .. 7
B122E148K	0 .. 160	0 .. 11
B122E150K	0 .. 200	0 .. 14
B122E152K	0 .. 300	0 .. 21
B122E154K	0 .. 400	0 .. 28
B122E157K	0 .. 600	0 .. 41
B122E162K	0 .. 1000	0 .. 70
B122E164K	0 .. 1500	0 .. 103
B122E165K	0 .. 2000	0 .. 138
B122E167K	0 .. 2500	0 .. 172
B122E169K	0 .. 3000	0 .. 207
B122E171K	0 .. 4000	0 .. 275
B122E173K	0 .. 5000	0 .. 345
B122E175K	0 .. 6000	0 .. 414




63mm Bottom Connection 1/4BSPP Stainless Steel Case

Part Number	Range PSI	Range BAR
B222A239K	-30 .. 0" hg	-1 .. 0
B222A240K	0 .. 15	0 .. 1
B222A242K	0 .. 30	0 .. 2
B222A244K	0 .. 60	0 .. 4
B222A246K	0 .. 100	0 .. 7
B222A248K	0 .. 160	0 .. 11
B222A250K	0 .. 200	0 .. 14
B222A252K	0 .. 300	0 .. 21
B222A254K	0 .. 400	0 .. 28
B222A255K	0 .. 500	0 .. 34
B222A257K	0 .. 600	0 .. 41
B222A262K	0 .. 1000	0 .. 70
B222A264K	0 .. 1500	0 .. 103
B222A265K	0 .. 2000	0 .. 138
B222A267K	0 .. 2500	0 .. 172
B222A269K	0 .. 3000	0 .. 207
B222A271K	0 .. 4000	0 .. 275
B222A273K	0 .. 5000	0 .. 345
B222A275K	0 .. 6000	0 .. 414
B222A283K	0 .. 10000	0 .. 690
B222A201K	-30hg .. 15	-1 .. 1
B222A203K	-30hg .. 30	-1 .. 2
B222A206K	-30hg .. 60	-1 .. 4
B222A209K	-30hg .. 100	-1 .. 7
B222A213K	-30hg .. 160	-1 .. 11




63mm Back Connection 1/4BSPP Metal Case

Part Number	Range PSI	Range BAR
B222E239K	-30 .. 0" hg	-1 .. 0
B222E240K	0 .. 15	0 .. 1
B222E242K	0 .. 30	0 .. 2
B222E244K	0 .. 60	0 .. 4
B222E246K	0 .. 100	0 .. 7
B222E248K	0 .. 160	0 .. 11
B222E250K	0 .. 200	0 .. 14
B222E252K	0 .. 300	0 .. 21
B222E254K	0 .. 400	0 .. 28
B222E255K	0 .. 500	0 .. 34
B222E257K	0 .. 600	0 .. 41
B222E262K	0 .. 1000	0 .. 70
B222E264K	0 .. 1500	0 .. 103
B222E265K	0 .. 2000	0 .. 138
B222E267K	0 .. 2500	0 .. 172
B222E269K	0 .. 3000	0 .. 207
B222E271K	0 .. 4000	0 .. 275
B222E273K	0 .. 5000	0 .. 345
B222E275K	0 .. 6000	0 .. 414
B222E283K	0 .. 10000	0 .. 690
B222E201K	-30hg .. 15	-1 .. 1
B222E203K	-30hg .. 30	-1 .. 2
B222E206K	-30hg .. 60	-1 .. 4
B222E209K	-30hg .. 100	-1 .. 7
B222E213K	-30hg .. 160	-1 .. 11




Female Equal Bend

Part Number	Threads
MI2-12*	1/2 BSPP
MI2-34*	3/4 BSPP
MI2-1*	1 BSPP
MI2-114*	1.1/4 BSPP
MI2-112*	1.1/2 BSPP
MI2-2*	2 BSPP



Female Equal Elbow

Part Number	Threads
MI90-12*	1/2 BSPP
MI90-34*	3/4 BSPP
MI90-1*	1 BSPP
MI90-114*	1.1/4 BSPP
MI90-112*	1.1/2 BSPP
MI90-2*	2 BSPP



Female Equal Socket

Part Number	Threads
MI270-12*	1/2 BSPP
MI270-34*	3/4 BSPP
MI270-1*	1 BSPP
MI270-114*	1.1/4 BSPP
MI270-112*	1.1/2 BSPP
MI270-2*	2 BSPP



Male x Female Equal Bend

Part Number	Threads
MI1-12*	1/2 BSPP
MI1-34*	3/4 BSPP
MI1-1*	1 BSPP
MI1-114*	1.1/4 BSPP
MI1-112*	1.1/2 BSPP
MI1-2*	2 BSPP




Male x Female Equal Elbow

Part Number	Threads
MI92-12*	1/2 BSPP
MI92-34*	3/4 BSPP
MI92-1*	1 BSPP
MI92-114*	1.1/4 BSPP
MI92-112*	1.1/2 BSPP
MI92-2*	2 BSPP




Male Hexagon Nipple

Part Number	Threads
MI280-12*	1/2 BSPT
MI280-34*	3/4 BSPT
MI280-1*	1 BSPT
MI280-114*	1.1/4 BSPT
MI280-112*	1.1/2 BSPT
MI280-2*	2 BSPT



Female Equal Tee

Part Number	Threads
MI130-12*	1/2 BSPP
MI130-34*	3/4 BSPP
MI130-1*	1 BSPP
MI130-114*	1.1/4 BSPP
MI130-112*	1.1/2 BSPP
MI130-2*	2 BSPP



Female Equal 45° Bend

Part Number	Threads
MI41-12	1/2 BSPP
MI41-34	3/4 BSPP
MI41-1	1 BSPP
MI41-114	1.1/4 BSPP
MI41-112	1.1/2 BSPP
MI41-2	2 BSPP



Male Barrel Nipple

Part Number	Threads
MIB-12X50*	1/2 BSPT x 50
MIB-34X60*	3/4 BSPT x 60
MIB-1X60*	1 BSPT x 60
MIB-114X80*	1.1/4 BSPT x 80
MIB-112X80*	1.1/2 BSPT x 80
MIB-2X80*	2 BSPT x 80




Female Equal Taperseat Union

Part Number	Threads
MI340-12*	1/2 BSPP
MI340-34*	3/4 BSPP
MI340-1*	1 BSPP
MI340-114*	1.1/4 BSPP
MI340-112*	1.1/2 BSPP
MI340-2*	2 BSPP



Male x Female Equal 45° Bend

Part Number	Threads
MI40-12*	1/2 BSPP
MI40-34*	3/4 BSPP
MI40-1*	1 BSPP
MI40-114*	1.1/4 BSPP
MI40-112*	1.1/2 BSPP
MI40-2*	2 BSPP



Male Hollow Plug

Part Number	Threads
MI290-12*	1/2 BSPP
MI290-34*	3/4 BSPP
MI290-1*	1 BSPP
MI290-114*	1.1/4 BSPP
MI290-112*	1.1/2 BSPP
MI290-2*	2 BSPP

* For black, suffix part number with N



Single M10 Tapping Ring

Part Number	To Suit
MISTP12*	1/2
MISTP34*	3/4
MISTP1*	1
MISTP114*	1.1/4
MISTP112*	1.1/2
MISTP2*	2



M10 Back Plate

Part Number	Threads
MIBPM10*	M10



M10 Studding

Part Number	Length
MISDM10	1 Metre



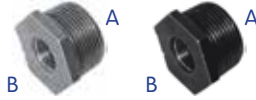
Girder Clamp

Part Number	Threads
MIGCM10	M10



Back nut

Part Number	Threads
MI310-12*	1/2 BSPP
MI310-34*	3/4 BSPP
MI310-1*	1 BSPP
MI310-114*	1.1/4 BSPP
MI310-112*	1.1/2 BSPP
MI310-2*	2 BSPP



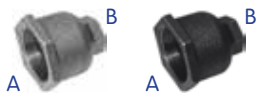
Male x Female Reducing Bush

Part Number	A Threads	B Threads
MI241-34-12*	3/4 BSPT	1/2 BSPP
MI241-1-12*	1 BSPT	1/2 BSPP
MI241-1-34*	1 BSPT	3/4 BSPP
MI241-114-34*	1.1/4 BSPT	3/4 BSPP
MI241-114-1*	1.1/4 BSPT	1 BSPP
MI241-112-1*	1.1/2 BSPT	1 BSPP
MI241-112-114*	1.1/2 BSPT	1.1/4 BSPP
MI241-2-1*	2 BSPT	1 BSPP
MI241-2-114*	2 BSPT	1.1/4 BSPP
MI241-2-112*	2 BSPT	1.1/2 BSPP



Male Reducing Nipple

Part Number	A Threads	B Threads
MI245-34-12*	3/4 BSPT	1/2 BSPT
MI245-1-12*	1 BSPT	1/2 BSPT
MI245-1-34*	1 BSPT	3/4 BSPT
MI245-114-1*	1.1/4 BSPT	1 BSPT
MI245-112-1*	1.1/2 BSPT	1 BSPT
MI245-112-114*	1.1/2 BSPT	1.1/4 BSPT
MI245-2-1*	2 BSPT	1 BSPT
MI245-2-112*	2 BSPT	1.1/2 BSPT



Female Reducing Socket

Part Number	A Threads	B Threads
MI240-34-12*	3/4 BSPP	1/2 BSPP
MI240-1-12*	1 BSPP	1/2 BSPP
MI240-1-34*	1 BSPP	3/4 BSPP
MI240-114-34*	1.1/4 BSPP	3/4 BSPP
MI240-114-1*	1.1/4 BSPP	1 BSPP
MI240-112-1*	1.1/2 BSPP	1 BSPP
MI240-112-114*	1.1/2 BSPP	1.1/4 BSPP
MI240-2-1*	2 BSPP	1 BSPP
MI240-2-114*	2 BSPP	1.1/4 BSPP
MI240-2-112*	2 BSPP	1.1/2 BSPP

* For Black, suffix part number with N

Expansion Bellows Flanged Un-Tied

EBEP



Carbon Steel Flanges, Nylon Cord Reinforcement
Flanged to PN16, -20°C to +100°C

EPDM Bellows

Size	32	40	50	65	80	100	125	150	200
L	130	130	130	130	130	130	130	130	130
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Larger Sizes and PN10 Available on Request

Expansion Bellows Flanged Tied

EBEFT



Carbon Steel Flanges, Nylon Cord Reinforcement
Flanged to PN16, -20°C to +100°C

EPDM Bellows

Size	32	40	50	65	80	100	125	150	200
L	130	130	130	130	130	130	130	130	130
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

Larger Sizes and PN10 Available on Request

Expansion Bellows Threaded

EBET



Galvanised Union Ends, Nylon Cord Reinforcement
Female Threaded BSPT, -20°C to +100°C

EPDM Bellows

Size	1/2	3/4	1	1.1/4	1.1/2	2	2.1/2	3
L	200	200	200	200	200	200	245	245
Max	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR	16 BAR

NBR Bellows Available on Request



Straight Male Adaptor

Part Number	OD	Threads
CFM-6-14	6	1/4 BSPT
CFM-8-14	8	1/4 BSPT
CFM-8-12	8	1/2 BSPT
CFM-10-14	10	1/4 BSPT
CFM-10-38	10	3/8 BSPT
CFM-12-14	12	1/4 BSPT
CFM-12-38	12	3/8 BSPT
CFM-15-12	15	1/2 BSPP
CFM-15-34	15	3/4 BSPP
CFM-22-12	22	1/2 BSPP
CFM-22-34	22	3/4 BSPP
CFM-22-1	22	1 BSPP
CFM-28-1	28	1 BSPP
CFM-35-114	35	1.1/4 BSPP
CFM-42-112	42	1.1/2 BSPP
CFM-54-2	54	2 BSPP



Straight Female Adaptor

Part Number	OD	Threads
CFF-6-14	6	1/4 BSPP
CFF-8-14	8	1/4 BSPP
CFF-8-12	8	1/2 BSPP
CFF-10-14	10	1/4 BSPP
CFF-10-38	10	3/8 BSPP
CFF-12-14	12	1/4 BSPP
CFF-12-38	12	3/8 BSPP
CFF-15-12	15	1/2 BSPP
CFF-15-34	15	3/4 BSPP
CFF-22-12	22	1/2 BSPP
CFF-22-34	22	3/4 BSPP
CFF-22-1	22	1 BSPP
CFF-28-1	28	1 BSPP
CFF-35-114	35	1.1/4 BSPP
CFF-42-112	42	1.1/2 BSPP
CFF-54-2	54	2 BSPP



Straight Connector

Part Number	OD
CFS-6	6
CFS-8	8
CFS-10	10
CFS-12	12
CFS-15	15
CFS-22	22
CFS-28	28
CFS-35	35
CFS-42	42
CFS-54	54



Male Elbow Adaptor

Part Number	OD	Threads
CFME-6-14	6	1/4 BSPT
CFME-8-14	8	1/4 BSPT
CFME-8-12	8	1/2 BSPT
CFME-10-14	10	1/4 BSPT
CFME-10-38	10	3/8 BSPT
CFME-12-14	12	1/4 BSPT
CFME-12-38	12	3/8 BSPT
CFME-15-12	15	1/2 BSPP
CFME-15-34	15	3/4 BSPP
CFME-22-34	22	3/4 BSPP
CFME-22-1	22	1 BSPP
CFME-28-1	28	1 BSPP
CFME-35-114	35	1.1/4 BSPP
CFME-42-112	42	1.1/2 BSPP
CFME-54-2	54	2 BSPP



Tee Connector

Part Number	OD
CFET-6	6
CFET-8	8
CFET-10	10
CFET-12	12
CFET-15	15
CFET-22	22
CFET-28	28
CFET-35	35
CFET-42	42
CFET-54	54



Tank Connector

Part Number	OD
CFTC-15	15
CFTC-22	22
CFTC-28	28
CFTC-35	35
CFTC-42	42
CFTC-54	54



Reducing Straight Connector

Part Number	OD
CFR-10-8	10mm x 8mm
CFR-12-8	12mm x 8mm
CFR-12-10	12mm x 10mm
CFR-15-12	15mm x 12mm
CFR-22-15	22mm x 15mm
CFR-28-15	28mm x 15mm
CFR-28-22	28mm x 22mm
CFR-35-28	35mm x 28mm



Elbow Connector

Part Number	OD
CFE-6	6
CFE-8	8
CFE-10	10
CFE-12	12
CFE-15	15
CFE-22	22
CFE-28	28
CFE-35	35
CFE-42	42
CFE-54	54



Male Equal Adaptor

Part Number	⚙️
DN10/10K	1/8 BSPT
DN13/13K	1/4 BSPT
DN17/17K	3/8 BSPT
DN21/21K	1/2 BSPT
DN26/26K	3/4 BSPT
DN33/33K	1 BSPT
DN42/42K	1.1/4 BSPT
DN50/50K	1.1/2 BSPT
DN55/55K	2 BSPT
DN10/10	1/8 BSPP
DN13/13	1/4 BSPP
DN17/17	3/8 BSPP
DN21/21	1/2 BSPP
DN26/26	3/4 BSPP
DN33/33	1 BSPP
DN42/42	1.1/4 BSPP
DN50/50	1.1/2 BSPP
DN55/55	2 BSPP



Blanking Plug

Part Number	⚙️
3025-1/8	1/8 BSPP
3025-1/4	1/4 BSPP
3025-3/8	3/8 BSPP
3025-1/2	1/2 BSPP



Blanking Plug with O-Ring Seal

Part Number	⚙️
ZV-10	1/8 BSPP
ZV-13	1/4 BSPP
ZV-17	3/8 BSPP
ZV-21	1/2 BSPP



Male Unequal Adaptor

Part Number	⚙️
DN10/13K	1/8 x 1/4 BSPT
DN10/17K	1/8 x 3/8 BSPT
DN10/21K	1/8 x 1/2 BSPT
DN13/17K	1/4 x 3/8 BSPT
DN13/21K	1/4 x 1/2 BSPT
DN17/21K	3/8 x 1/2 BSPT
DN21/26K	1/2 x 3/4 BSPT
DN26/33K	3/4 x 1 BSPT
DN33/42K	1 x 1.1/4 BSPT
DN42/50K	1.1/4 x 1.1/2 BSPT
DN50/55K	1.1/2 x 2 BSPT
DN10/13	1/8 x 1/4 BSPP
DN10/17	1/8 x 3/8 BSPP
DN13/17	1/4 x 3/8 BSPP
DN13/21	1/4 x 1/2 BSPP
DN17/21	3/8 x 1/2 BSPP
DN21/26	1/2 x 3/4 BSPP
DN26/33	3/4 x 1 BSPP
DN33/42	1 x 1.1/4 BSPP
DN42/50	1.1/4 x 1.1/2 BSPP
DN50/55	1.1/2 x 2 BSPP



Bulkhead Connector

Part Number	⚙️
3060-1/8	1/8 BSPP
3060-1/4	1/4 BSPP
3060-3/8	3/8 BSPP
3060-1/2	1/2 BSPP



Female Equal Adaptor

Part Number	⚙️
MU10	1/8 BSPP
MU13	1/4 BSPP
MU17	3/8 BSPP
MU21	1/2 BSPP
MU26	3/4 BSPP
MU33	1 BSPP



Female Unequal Adaptor

Part Number	⚙️
MU10/13	1/8 x 1/4 BSPP
MU10/17	1/8 x 3/8 BSPP
MU10/21	1/8 x 1/2 BSPP
MU13/17	1/4 x 3/8 BSPP
MU13/21	1/4 x 1/2 BSPP
MU17/21	3/8 x 1/2 BSPP
MU17/26	3/8 x 3/4 BSPP
MU21/26	1/2 x 3/4 BSPP
MU21/33	1/2 x 1 BSPP
MU26/33	3/4 x 1 BSPP



Bulkhead Lock Nut

Part Number	⚙️
KM10WN	1/8 BSPP
KM13WN	1/4 BSPP
KM17WN	3/8 BSPP
KM21WN	1/2 BSPP



Reducing Bush

Part Number	A	B
RK10/13K	1/4 BSPT	1/8 BSPP
RK10/17K	3/8 BSPT	1/8 BSPP
RK10/21K	1/2 BSPT	1/8 BSPP
RK13/17K	3/8 BSPT	1/4 BSPP
RK13/21K	1/2 BSPT	1/4 BSPP
RK13/26K	3/4 BSPT	1/4 BSPP
RK17/21K	1/2 BSPT	3/8 BSPP
RK17/26K	3/4 BSPT	3/8 BSPP
RK17/33K	1 BSPT	3/8 BSPP
RK21/26K	3/4 BSPT	1/2 BSPP
RK21/33K	1 BSPT	1/2 BSPP
RK21/42K	1.1/4 BSPT	1/2 BSPP
RK26/33K	1 BSPT	3/4 BSPP
RK33/42K	1.1/4 BSPT	1 BSPP
RK33/50K	1.1/2 BSPT	1 BSPP
RK42/55K	2 BSPT	1.1/4 BSPP
RK50/55K	2 BSPT	1.1/2 BSPP
RK10/13	1/4 BSPP	1/8 BSPP
RK10/17	3/8 BSPP	1/8 BSPP
RK10/21	1/2 BSPP	1/8 BSPP
RK13/17	3/8 BSPP	1/4 BSPP
RK13/21	1/2 BSPP	1/4 BSPP
RK13/26	3/4 BSPP	1/4 BSPP
RK17/21	1/2 BSPP	3/8 BSPP
RK17/26	3/4 BSPP	3/8 BSPP
RK17/33	1 BSPP	3/8 BSPP
RK21/26	3/4 BSPP	1/2 BSPP
RK21/33	1 BSPP	1/2 BSPP
RK26/33	1 BSPP	3/4 BSPP
RK33/42	1.1/4 BSPP	1 BSPP
RK42/55	2 BSPP	1.1/4 BSPP
RK50/55	2 BSPP	1.1/2 BSPP



Polyethylene Silencer

Part Number	
PS-M5	M5
PS-18	1/8 BSPP
PS-14	1/4 BSPP
PS-38	3/8 BSPP
PS-12	1/2 BSPP
PS-34	3/4 BSPP



Male x Female Adaptor

Part Number	A	B
RL10/10K	1/8 BSPT	1/8 BSPP
RL10/13K	1/8 BSPT	1/4 BSPP
RL10/17K	1/8 BSPT	3/8 BSPP
RL13/13K	1/4 BSPT	1/4 BSPP
RL13/17K	1/4 BSPT	3/8 BSPP
RL13/21K	1/4 BSPT	1/2 BSPP
RL17/17K	3/8 BSPT	3/8 BSPP
RL17/21K	3/8 BSPT	1/2 BSPP
RL17/26K	3/8 BSPT	3/4 BSPP
RL21/21K	1/2 BSPT	1/2 BSPP
RL21/26K	1/2 BSPT	3/4 BSPP
RL21/33K	1/2 BSPT	1 BSPP
RL26/26K	3/4 BSPT	3/4 BSPP
RL26/33K	3/4 BSPT	1 BSPP
RL33/33K	1 BSPT	1 BSPP
RL10/10	1/8 BSPP	1/8 BSPP
RL10/13	1/8 BSPP	1/4 BSPP
RL10/17	1/8 BSPP	3/8 BSPP
RL13/13	1/4 BSPP	1/4 BSPP
RL13/17	1/4 BSPP	3/8 BSPP
RL13/21	1/4 BSPP	1/2 BSPP
RL17/17	3/8 BSPP	3/8 BSPP
RL17/21	3/8 BSPP	1/2 BSPP
RL17/26	3/8 BSPP	3/4 BSPP
RL21/21	1/2 BSPP	1/2 BSPP
RL21/26	1/2 BSPP	3/4 BSPP
RL21/33	1/2 BSPP	1 BSPP
RL26/26	3/4 BSPP	3/4 BSPP
RL26/33	3/4 BSPP	1 BSPP
RL33/33	1 BSPP	1 BSPP



Sintered Bronze Silencer

Part Number	
7030-M5	M5
7030-18	1/8 BSPP
7030-14	1/4 BSPP
7030-38	3/8 BSPP
7030-12	1/2 BSPP
7030-34	3/4 BSPP
7030-1	1 BSPP



Hosetail Adaptor

Part Number		ID
GT10/04K	1/8 BSPT	1/8"
GT10/05K	1/8 BSPT	3/16"
GT10/06K	1/8 BSPT	1/4"
GT10/08K	1/8 BSPT	5/16"
GT10/09K	1/8 BSPT	3/8"
GT13/06K	1/4 BSPT	1/4"
GT13/08K	1/4 BSPT	5/16"
GT13/09K	1/4 BSPT	3/8"
GT13/13K	1/4 BSPT	1/2"
GT17/06K	3/8 BSPT	1/4"
GT17/08K	3/8 BSPT	5/16"
GT17/09K	3/8 BSPT	3/8"
GT17/13K	3/8 BSPT	1/2"
GT17/19K	3/8 BSPT	3/4"
GT21/06K	1/2 BSPT	1/4"
GT21/08K	1/2 BSPT	5/16"
GT21/09K	1/2 BSPT	3/8"
GT21/13K	1/2 BSPT	1/2"
GT21/19K	1/2 BSPT	3/4"
GT21/25K	1/2 BSPT	1"
GT26/09K	3/4 BSPT	3/8"
GT26/13K	3/4 BSPT	1/2"
GT26/19K	3/4 BSPT	3/4"
GT26/25K	3/4 BSPT	1"
GT33/13K	1 BSPT	1/2"
GT33/19K	1 BSPT	3/4"
GT33/25K	1 BSPT	1"
GT42/31K	1.1/4 BSPT	1.1/4"
GT48/38K	1.1/2 BSPT	1.1/2"
GT52/50K	2 BSPT	2"



Exhaust Port Silencer

Part Number	
7010-18	1/8 BSPP
7010-14	1/4 BSPP
7010-38	3/8 BSPP
7010-12	1/2 BSPP
7010-34	3/4 BSPP



Female Tee

Part Number	Threads
TI10	1/8 BSPP
TI13	1/4 BSPP
TI17	3/8 BSPP
TI21	1/2 BSPP
TI26	3/4 BSPP
TI33	1 BSPP



Male x Female Tee

Part Number	Threads
TKL10	1/8 BSPT
TKL13	1/4 BSPT
TKL17	3/8 BSPT
TKL21	1/2 BSPT
TKL26	3/4 BSPT
TKL33	1 BSPT



Male x Female Offset Tee

Part Number	Threads
TB10	1/8 BSPT
TB13	1/4 BSPT
TB17	3/8 BSPT
TB21	1/2 BSPT
TB26	3/4 BSPT
TB33	1 BSPT



Male Tee

Part Number	Threads
TA10	1/8 BSPT
TA13	1/4 BSPT
TA17	3/8 BSPT
TA21	1/2 BSPT
TA26	3/4 BSPT
TA33	1 BSPT



Female Cross

Part Number	Threads
FC10	1/8 BSPP
FC13	1/4 BSPP
FC17	3/8 BSPP
FC21	1/2 BSPP



Female Y Connector

Part Number	Threads
ZO-10	1/8 BSPP
ZO-13	1/4 BSPP
ZO-17	3/8 BSPP
ZO-21	1/2 BSPP



Male Y Connector

Part Number	Threads
XO-10	1/8 BSPP
XO-13	1/4 BSPP
XO-17	3/8 BSPP
XO-21	1/2 BSPP



Steel Bonded Washer (Nitrile Seal)

Part Number	Threads
BS-18	1/8 BSPP
BS-14	1/4 BSPP
BS-38	3/8 BSPP
BS-12	1/2 BSPP
BS-34	3/4 BSPP
BS-1	1 BSPP
BS-114	1.1/4 BSPP
BS-112	1.1/2 BSPP
BS-2	2 BSPP



Female Elbow

Part Number	Threads
WI10	1/8 BSPP
WI13	1/4 BSPP
WI17	3/8 BSPP
WI21	1/2 BSPP
WI26	3/4 BSPP
WI33	1 BSPP



Male x Female Elbow

Part Number	Threads
WSL10	1/8 BSPP
WSL13	1/4 BSPP
WSL17	3/8 BSPP
WSL21	1/2 BSPP
WSL26	3/4 BSPP
WSL33	1 BSPP



Male Elbow

Part Number	Threads
WA10	1/8 BSPP
WA13	1/4 BSPP
WA17	3/8 BSPP
WA21	1/2 BSPP
WA26	3/4 BSPP
WA33	1 BSPP



Hexagon Nipple

Part Number	Threads
HN-18	1/8 BSPT
HN-14	1/4 BSPT
HN-38	3/8 BSPT
HN-12	1/2 BSPT
HN-34	3/4 BSPT
HN-1	1 BSPT
HN-114	1.1/4 BSPT
HN-112	1.1/2 BSPT
HN-2	2 BSPT
HN-212	2.1/2 BSPT
HN-3	3 BSPT
HN-4	4 BSPT



Barrel Nipple

Part Number	Threads
BN-18	1/8 BSPT
BN-14	1/4 BSPT
BN-38	3/8 BSPT
BN-12	1/2 BSPT
BN-34	3/4 BSPT
BN-1	1 BSPT
BN-114	1.1/4 BSPT
BN-112	1.1/2 BSPT
BN-2	2 BSPT
BN-212	2.1/2 BSPT
BN-3	3 BSPT
BN-4	4 BSPT



Full Socket

Part Number	Threads
FS-18	1/8 BSPP
FS-14	1/4 BSPP
FS-38	3/8 BSPP
FS-12	1/2 BSPP
FS-34	3/4 BSPP
FS-1	1 BSPP
FS-114	1.1/4 BSPP
FS-112	1.1/2 BSPP
FS-2	2 BSPP
FS-212	2.1/2 BSPP
FS-3	3 BSPP
FS-4	4 BSPP



Hexagon Reducing Nipple

Part Number	Threads
RHN-14-18	1/4 x 1/8 BSPT
RHN-38-18	3/8 x 1/8 BSPT
RHN-38-14	3/8 x 1/4 BSPT
RHN-12-18	1/2 x 1/8 BSPT
RHN-12-14	1/2 x 1/4 BSPT
RHN-12-38	1/2 x 3/8 BSPT
RHN-34-14	3/4 x 1/4 BSPT
RHN-34-38	3/4 x 3/8 BSPT
RHN-34-12	3/4 x 1/2 BSPT
RHN-1-14	1 x 1/4 BSPT
RHN-1-38	1 x 3/8 BSPT
RHN-1-12	1 x 1/2 BSPT
RHN-1-34	1 x 3/4 BSPT
RHN-114-12	1.1/4 x 1/2 BSPT
RHN-114-34	1.1/4 x 3/4 BSPT
RHN-114-1	1.1/4 x 1 BSPT
RHN-112-34	1.1/2 x 3/4 BSPT
RHN-112-1	1.1/2 x 1 BSPT
RHN-112-114	1.1/2 x 1.1/4 BSPT
RHN-2-1	2 x 1 BSPT
RHN-2-114	2 x 1.1/4 BSPT
RHN-2-112	2 x 1.1/2 BSPT
RHN-3-2	3 x 2 BSPT



Close Nipple

Part Number	Threads
CPN-14	1/4 BSPP
CPN-38	3/8 BSPP
CPN-12	1/2 BSPP
CPN-34	3/4 BSPP
CPN-1	1 BSPP
CPN-114	1.1/4 BSPP
CPN-112	1.1/2 BSPP
CPN-2	2 BSPP
CPN-212	2.1/2 BSPP



Half Socket

Part Number	Threads
HS-18	1/8 BSPP
HS-14	1/4 BSPP
HS-38	3/8 BSPP
HS-12	1/2 BSPP
HS-34	3/4 BSPP
HS-1	1 BSPP
HS-114	1.1/4 BSPP
HS-112	1.1/2 BSPP
HS-2	2 BSPP



Weld Nipple

Part Number	Threads
WN-14	1/4 BSPT
WN-38	3/8 BSPT
WN-12	1/2 BSPT
WN-34	3/4 BSPT
WN-1	1 BSPT
WN-114	1.1/4 BSPT
WN-112	1.1/2 BSPT
WN-2	2 BSPT



Hexagon Union

Part Number	Threads
HU-14	1/4 BSPT
HU-38	3/8 BSPT
HU-12	1/2 BSPT
HU-34	3/4 BSPT
HU-1	1 BSPT
HU-114	1.1/4 BSPT
HU-112	1.1/2 BSPT
HU-2	2 BSPT
HU-212	2.1/2 BSPT
HU-3	3 BSPT



Elbow 90°

Part Number	Threads
EE-18	1/8 BSPP
EE-14	1/4 BSPP
EE-38	3/8 BSPP
EE-12	1/2 BSPP
EE-34	3/4 BSPP
EE-1	1 BSPP
EE-114	1.1/4 BSPP
EE-112	1.1/2 BSPP
EE-2	2 BSPP
EE-212	2.1/2 BSPP
EE-3	3 BSPP
EE-4	4 BSPP



Elbow 45°

Part Number	Threads
OE-18	1/8 BSPP
OE-14	1/4 BSPP
OE-38	3/8 BSPP
OE-12	1/2 BSPP
OE-34	3/4 BSPP
OE-1	1 BSPP
OE-114	1.1/4 BSPP
OE-112	1.1/2 BSPP
OE-2	2 BSPP
OE-212	2.1/2 BSPP
OE-3	3 BSPP
OE-4	4 BSPP



Tee

Part Number	Threads
ET-18	1/8 BSPP
ET-14	1/4 BSPP
ET-38	3/8 BSPP
ET-12	1/2 BSPP
ET-34	3/4 BSPP
ET-1	1 BSPP
ET-114	1.1/4 BSPP
ET-112	1.1/2 BSPP
ET-2	2 BSPP
ET-212	2.1/2 BSPP
ET-3	3 BSPP



Cross

Part Number	Threads
EC-18	1/8 BSPP
EC-14	1/4 BSPP
EC-38	3/8 BSPP
EC-12	1/2 BSPP
EC-34	3/4 BSPP
EC-1	1 BSPP
EC-114	1.1/4 BSPP
EC-112	1.1/2 BSPP
EC-2	2 BSPP



Hexagon Blanking Cap

Part Number	Threads
HBC-14	1/4 BSPP
HBC-38	3/8 BSPP
HBC-12	1/2 BSPP
HBC-34	3/4 BSPP
HBC-1	1 BSPP
HBC-114	1.1/4 BSPP
HBC-112	1.1/2 BSPP
HBC-2	2 BSPP
HBC-3	3 BSPP
HBC-4	4 BSPP



Hexagon Blanking Plug

Part Number	Threads
HP-18	1/8 BSPT
HP-14	1/4 BSPT
HP-38	3/8 BSPT
HP-12	1/2 BSPT
HP-34	3/4 BSPT
HP-1	1 BSPT
HP-114	1.1/4 BSPT
HP-112	1.1/2 BSPT
HP-2	2 BSPT
HP-212	2.1/2 BSPT
HP-3	3 BSPT



Square Head Plug

Part Number	Threads
SP-18	1/8 BSPT
SP-14	1/4 BSPT
SP-38	3/8 BSPT
SP-12	1/2 BSPT
SP-34	3/4 BSPT
SP-1	1 BSPT
SP-114	1.1/4 BSPT
SP-112	1.1/2 BSPT
SP-2	2 BSPT
SP-212	2.1/2 BSPT
SP-3	3 BSPT



Street Elbow

Part Number	Threads
SE-18	1/8 BSPT
SE-14	1/4 BSPT
SE-38	3/8 BSPT
SE-12	1/2 BSPT
SE-34	3/4 BSPT
SE-1	1 BSPT
SE-114	1.1/4 BSPT
SE-112	1.1/2 BSPT
SE-2	2 BSPT
SE-212	2.1/2 BSPT
SE-3	3 BSPT



Female Reducing Socket

Part Number	Threads
FRS-14-18	1/4 x 1/8 BSPP
FRS-38-18	3/8 x 1/8 BSPP
FRS-38-14	3/8 x 1/4 BSPP
FRS-12-18	1/2 x 1/8 BSPP
FRS-12-14	1/2 x 1/4 BSPP
FRS-12-38	1/2 x 3/8 BSPP
FRS-34-14	3/4 x 1/4 BSPP
FRS-34-38	3/4 x 3/8 BSPP
FRS-34-12	3/4 x 1/2 BSPP
FRS-1-14	1 x 1/4 BSPP
FRS-1-38	1 x 3/8 BSPP
FRS-1-12	1 x 1/2 BSPP
FRS-1-34	1 x 3/4 BSPP
FRS-114-12	1.1/4 x 1/2 BSPP
FRS-114-34	1.1/4 x 3/4 BSPP
FRS-114-1	1.1/4 x 1 BSPP
FRS-112-34	1.1/2 x 3/4 BSPP
FRS-112-1	1.1/2 x 1 BSPP
FRS-112-114	1.1/2 x 1.1/4 BSPP
FRS-2-1	2 x 1 BSPP
FRS-2-114	2 x 1.1/4 BSPP
FRS-2-112	2 x 1.1/2 BSPP
FRS-212-114	2.1/2 x 1.1/4 BSPP
FRS-212-2	2.1/2 x 2 BSPP
FRS-3-114	3 x 1.1/4 BSPP
FRS-3-2	3 x 2 BSPP
FRS-3-212	3 x 2.1/2 BSPP
FRS-4-2	4 x 2 BSPP
FRS-4-3	4 x 3 BSPP



Hexagon Reducing Bush

Part Number	A Threads	B Threads
RB-14-18	1/4 BSPT	1/8 BSPP
RB-38-18	3/8 BSPT	1/8 BSPP
RB-38-14	3/8 BSPT	1/4 BSPP
RB-12-18	1/2 BSPT	1/8 BSPP
RB-12-14	1/2 BSPT	1/4 BSPP
RB-12-38	1/2 BSPT	3/8 BSPP
RB-34-18	3/4 BSPT	1/8 BSPP
RB-34-14	3/4 BSPT	1/4 BSPP
RB-34-38	3/4 BSPT	3/8 BSPP
RB-34-12	3/4 BSPT	1/2 BSPP
RB-1-14	1 BSPT	1/4 BSPP
RB-1-38	1 BSPT	3/8 BSPP
RB-1-12	1 BSPT	1/2 BSPP
RB-1-34	1 BSPT	3/4 BSPP
RB-114-12	1.1/4 BSPT	1/2 BSPP
RB-114-34	1.1/4 BSPT	3/4 BSPP
RB-114-1	1.1/4 BSPT	1 BSPP
RB-112-34	1.1/2 BSPT	3/4 BSPP
RB-112-1	1.1/2 BSPT	1 BSPP
RB-112-114	1.1/2 BSPT	1.1/4 BSPP
RB-2-1	2 BSPT	1 BSPP
RB-2-114	2 BSPT	1.1/4 BSPP
RB-2-112	2 BSPT	1.1/2 BSPP
RB-212-114	2.1/2 BSPT	1.1/4 BSPP
RB-212-2	2.1/2 BSPT	2 BSPP
RB-3-2	3 BSPT	2 BSPP
RB-3-212	3 BSPT	2.1/2 BSPP
RB-4-3	4 BSPT	3 BSPP



Hosetail Adaptor

Part Number	Threads	ID
GT10/04KSS	1/8 BSPT	1/8"
GT10/05KSS	1/8 BSPT	3/16"
GT10/06KSS	1/8 BSPT	1/4"
GT13/06KSS	1/4 BSPT	1/4"
GT13/08KSS	1/4 BSPT	5/16"
GT13/09KSS	1/4 BSPT	3/8"
GT13/13KSS	1/4 BSPT	1/2"
GT17/08KSS	3/8 BSPT	5/16"
GT17/09KSS	3/8 BSPT	3/8"
GT17/13KSS	3/8 BSPT	1/2"
GT21/06KSS	1/2 BSPT	1/4"
GT21/09KSS	1/2 BSPT	3/8"
GT21/13KSS	1/2 BSPT	1/2"
GT21/19KSS	1/2 BSPT	3/4"
GT21/25KSS	1/2 BSPT	1"
GT26/13KSS	3/4 BSPT	1/2"
GT26/19KSS	3/4 BSPT	3/4"
GT33/19KSS	1 BSPT	3/4"
GT33/25KSS	1 BSPT	1"
GT42/31KSS	1.1/4 BSPT	1.1/4"
GT48/38KSS	1.1/2 BSPT	1.1/2"
GT52/50KSS	2 BSPT	2"



Straight Adaptor

Part Number	OD	Thread
PM011214E	12	1/2 BSPP
PM011514E	15	1/2 BSPP
PM011516E	15	3/4 BSPP
PM011814E	18	1/2 BSPP
PM012216E	22	3/4 BSPP



Straight Connector

Part Number	OD
PM0415E	15 mm
PM0418E	18 mm
PM0422E	22 mm
PM0428E	28 mm



Stem Adaptor

Part Number	OD	Thread
PM051513E	15	3/8 BSPP
PM051514E	15	1/2 BSPP
PM051814E	18	1/2 BSPP
PM052214E	22	1/2 BSPP
PM052216E	22	3/4 BSPP



Reducer

Part Number	OD	OD
PM061512E	15	12
PM061815E	18	15
PM062215E	22	15
PM062218E	22	18
PM062815E	28	15



Plug

Part Number	OD
PM0815E	15 mm
PM0822E	22 mm
PM0828E	28 mm



Equal Elbow

Part Number	OD
PM0315E	15 mm
PM0318E	18 mm
PM0322E	22 mm
PM0328E	28 mm



Stem Elbow

Part Number	OD
PM221515E	15 mm
PM221818E	18 mm
PM222222E	22 mm



Brass Straight Adaptor

Part Number	OD	Thread
MM011504N	15	1/2 BSPT
MM012206N	22	3/4 BSPT
MM012808N	28	1 BSPT



Brass Female Stem Adaptor

Part Number	OD	Thread
MM501514N	15	1/2 BSPP
MM502216N	22	3/4 BSPP



End Stop

Part Number	OD
PM4615E	15 mm
PM4622E	22 mm



Wing Back Elbow

Part Number	OD	Thread
PM15WB	15	1/2 BSPP
PM22WB	22	3/4 BSPP



Equal Tee

Part Number	OD
PM0215E	15 mm
PM0218E	18 mm
PM0222E	22 mm
PM0228E	28 mm



Reducing Tee

Part Number	OD	OD
PM03018AE	18	15
PM3022AE	22	15



Water Trap Tee

Part Number	OD
PMTT22E	22 mm



Blue Nylon Tube

Part Number	OD
PA-RM1512-3M-20B	15
PA-RM1814-3M-20B	18
PA-RM2218-3M-20B	22
PA-RM2823-3M-10B	28



Clips

Part Number	OD
PC15E	15 mm
PC22E	22 mm
PC28E	28 mm



Pipe Cutter for Nylon Tube Up To 22mm

Part Number
JG-TSP



Straight Adaptor

Part Number	OD	Thread
6605.17.21	16.5 mm	1/2 BSPT
6605.25.21	25 mm	1/2 BSPT
6605.25.34	25 mm	1 BSPT
6605.40.49	40 mm	1.1/2 BSPT
6605.50.48	50 mm	2 BSPT



Straight Connector

Part Number	OD
6606.17.00	16.5 mm
6606.25.00	25 mm
6606.40.00	40 mm
6606.50.00	50 mm



Mini Bracket

Part Number	OD	Thread
6661.25.21	25 mm	1/2 BSPP
6661.40.21	40 mm	1/2 BSPP
6661.40.27	40 mm	3/4 BSPP
6661.50.21	50 mm	1/2 BSPP
6661.50.27	50 mm	3/4 BSPP



Reducing Bracket

Part Number	OD	OD
6662.25.17	25 mm	16.5
6662.25.00	25 mm	25
6662.40.17	40 mm	16.5
6662.40.25	40 mm	25
6662.50.25	50 mm	25



2 Port 45° Tube Wall Bracket

Part Number	OD	Thread
6682.17.21	16.5 mm	1/2 BSPP
6682.25.21	25 mm	1/2 BSPP



Equal Elbow

Part Number	OD
6602.17.00	16.5 mm
6602.25.00	25 mm
6602.40.00	40 mm
6602.50.00	50 mm



Elbow 90° Male Stud

Part Number	OD	Thread
6609.17.21	16.5 mm	1/2 BSPT
6609.25.21	25 mm	1/2 BSPT
6609.25.34	25 mm	1 BSPT
6609.40.49	40 mm	1.1/2 BSPT
6609.50.48	50 mm	2 BSPT



Plug-in Reducer

Part Number	OD	OD
6666.17.25	25 mm	16.5
6666.25.40	25 mm	40
6666.40.50	40 mm	50



Quick Assembly Direct Feed Bracket

Part Number	OD	Type
RA69.50.25	50 mm	25 Tube
RA65.50.04	50 mm	1/2 BSPP
RA65.50.08	50 mm	1 BSPP



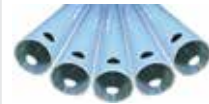
2 Port 45° Wall Bracket c/w Ball valve

Part Number	OD	Thread
6693.17.21	16.5 mm	1/2 BSPP
6693.25.21	25 mm	1/2 BSPP



Equal Tee

Part Number	OD
6604.17.00	16.5 mm
6604.25.00	25 mm
6604.40.00	40 mm
6604.50.00	50 mm



Blue Aluminium Tube 3M

Part Number	ID	OD
1003A.17.04.00	13	16.5
1003A.25.04.00	22	25
1003A.40.04.00	37	40
1003A.50.04	47	50



Clips

Part Number	OD
6697.17.00	16.5 mm
6697.25.00	25 mm
6697.40.00	40 mm
6697.50.00	50 mm



Pipe Cutter for Tube Up To 63mm

Part Number
6698.03.01



Double Female Vented Ball Valve

Part Number	OD
6693.17.21	16.5 mm
6693.25.21	25 mm



UPVC Tube Class E 15 BAR Rated

Part Number	Size
UPVC/ETUBE-3-12	1/2"
UPVC/ETUBE-3-34	3/4"
UPVC/ETUBE-3-1	1"
UPVC/ETUBE-3-114	1.1/4"
UPVC/ETUBE-3-112	1.1/2"
UPVC/ETUBE-3-2	2"
UPVC/ETUBE-3-3	3"
UPVC/ETUBE-3-4	4"



Bend

Part Number	Size
BE33-12-UPVC/ABS	1/2"
BE33-34-UPVC/ABS	3/4"
BE33-1-UPVC/ABS	1"
BE33-114-UPVC/ABS	1.1/4"
BE33-112-UPVC/ABS	1.1/2"
BE33-2-UPVC/ABS	2"
BE33-3-UPVC/ABS	3"
BE33-4-UPVC/ABS	4"



Socket

Part Number	Size
SO13-12-UPVC/ABS	1/2"
SO13-34-UPVC/ABS	3/4"
SO13-1-UPVC/ABS	1"
SO13-114-UPVC/ABS	1.1/4"
SO13-112-UPVC/ABS	1.1/2"
SO13-2-UPVC/ABS	2"
SO13-3-UPVC/ABS	3"
SO13-4-UPVC/ABS	4"



ABS Tube Class E 15 BAR Rated

Part Number	Size
ABS/ETUBE-3-12	1/2"
ABS/ETUBE-3-34	3/4"
ABS/ETUBE-3-1	1"
ABS/ETUBE-3-114	1.1/4"
ABS/ETUBE-3-112	1.1/2"
ABS/ETUBE-3-2	2"
ABS/ETUBE-3-3	3"
ABS/ETUBE-3-4	4"



Elbow 90

Part Number	Size
EL53-12-UPVC/ABS	1/2"
EL53-34-UPVC/ABS	3/4"
EL53-1-UPVC/ABS	1"
EL53-114-UPVC/ABS	1.1/4"
EL53-112-UPVC/ABS	1.1/2"
EL53-2-UPVC/ABS	2"
EL53-3-UPVC/ABS	3"
EL53-4-UPVC/ABS	4"



Reducing Socket

Part Number	Size
RS13-3412-UPVC/ABS	3/4" x 1/2"
RS13-134-UPVC/ABS	1" x 3/4"
RS13-1141-UPVC/ABS	1.1/4" x 1"
RS13-112114-UPVC/ABS	1.1/2" x 1.1/4"
RS13-2112-UPVC/ABS	2" x 1.1/2"
RS13-2122-UPVC/ABS	2.1/2" x 2"
RS13-3212-UPVC/ABS	3" x 2.1/2"
RS13-43-UPVC/ABS	4" x 3"



Cement & Cleaner

Part Number	Size
PVC-CEMENT	500ml
ABS-CEMENT	500ml
CLEANER-TIN	500ml



Elbow 45

Part Number	Size
EY53-12-UPVC/ABS	1/2"
EY53-34-UPVC/ABS	3/4"
EY53-1-UPVC/ABS	1"
EY53-114-UPVC/ABS	1.1/4"
EY53-112-UPVC/ABS	1.1/2"
EY53-2-UPVC/ABS	2"
EY53-3-UPVC/ABS	3"
EY53-4-UPVC/ABS	4"



Tee

Part Number	Size
TE43-12-UPVC/ABS	1/2"
TE43-34-UPVC/ABS	3/4"
TE43-1-UPVC/ABS	1"
TE43-114-UPVC/ABS	1.1/4"
TE43-112-UPVC/ABS	1.1/2"
TE43-2-UPVC/ABS	2"
TE43-3-UPVC/ABS	3"
TE43-4-UPVC/ABS	4"



Cap

Part Number	Size
CA73-12-UPVC/ABS	1/2"
CA73-34-UPVC/ABS	3/4"
CA73-1-UPVC/ABS	1"
CA73-114-UPVC/ABS	1.1/4"
CA73-112-UPVC/ABS	1.1/2"
CA73-2-UPVC/ABS	2"
CA73-3-UPVC/ABS	3"
CA73-4-UPVC/ABS	4"



Barrel Nipple

Part Number	Size
BN11-12-UPVC/ABS	1/2"
BN11-34-UPVC/ABS	3/4"
BN11-1-UPVC/ABS	1"
BN11-114-UPVC/ABS	1.1/4"
BN11-112-UPVC/ABS	1.1/2"
BN11-2-UPVC/ABS	2"
BN11-3-UPVC/ABS	3"
BN11-4-UPVC/ABS	4"



Stem Nipple

Part Number	Size
BN12-12-UPVC/ABS	1/2"
BN12-34-UPVC/ABS	3/4"
BN12-1-UPVC/ABS	1"
BN12-114-UPVC/ABS	1.1/4"
BN12-112-UPVC/ABS	1.1/2"
BN12-2-UPVC/ABS	2"
BN12-3-UPVC/ABS	3"
BN12-4-UPVC/ABS	4"



Union

Part Number	Size
UN83-12-UPVC/ABS	1/2"
UN83-34-UPVC/ABS	3/4"
UN83-1-UPVC/ABS	1"
UN83-114-UPVC/ABS	1.1/4"
UN83-112-UPVC/ABS	1.1/2"
UN83-2-UPVC/ABS	2"
UN83-3-UPVC/ABS	3"
UN83-4-UPVC/ABS	4"



Reducing Bush

Part Number	Size
RB93-3412-UPVC/ABS	3/4" x 1/2"
RB93-112-UPVC/ABS	1" x 1/2"
RB93-134-UPVC/ABS	1" x 3/4"
RB93-11412-UPVC/ABS	1.1/4" x 1/2"
RB93-11434-UPVC/ABS	1.1/4" x 3/4"
RB93-1141-UPVC/ABS	1.1/4" x 1"
RB93-11234-UPVC/ABS	1.1/2" x 3/4"
RB93-1121-UPVC/ABS	1.1/2" x 1"
RB93-112114-UPVC/ABS	1.1/2" x 1.1/4"
RB93-21-UPVC/ABS	2" x 1"
RB93-2114-UPVC/ABS	2" x 1.1/4"
RB93-2112-UPVC/ABS	2" x 1.1/2"
RB93-212112-UPVC/ABS	2.1/2" x 1.1/2"
RB93-2122-UPVC/ABS	2.1/2" x 2"
RB93-3112-UPVC/ABS	3" x 1.1/2"
RB93-32-UPVC/ABS	3" x 2"
RB93-3212-UPVC/ABS	3" x 2.1/2"
RB93-42-UPVC/ABS	4" x 2"
RB93-4212-UPVC/ABS	4" x 2.1/2"
RB93-43-UPVC/ABS	4" x 3"



Tank Connector

Part Number	Size
TC93-12-UPVC/ABS	1/2"
TC93-34-UPVC/ABS	3/4"
TC93-1-UPVC/ABS	1"
TC93-114-UPVC/ABS	1.1/4"
TC93-112-UPVC/ABS	1.1/2"
TC93-2-UPVC/ABS	2"
TC93-3-UPVC/ABS	3"
TC93-4-UPVC/ABS	4"



Male Threaded Adaptor

Part Number	Size
AD32-1212-UPVC/ABS	1/2"
AD32-3434-UPVC/ABS	3/4"
AD32-11-UPVC/ABS	1"
AD32-114114-UPVC/ABS	1.1/4"
AD32-112112-UPVC/ABS	1.1/2"
AD32-22-UPVC/ABS	2"
AD32-33-UPVC/ABS	3"
AD32-44-UPVC/ABS	4"



Female Threaded Adaptor

Part Number	Size
AD42-1212-UPVC/ABS	1/2"
AD42-3434-UPVC/ABS	3/4"
AD42-11-UPVC/ABS	1"
AD42-114114-UPVC/ABS	1.1/4"
AD42-112112-UPVC/ABS	1.1/2"
AD42-22-UPVC/ABS	2"
AD42-33-UPVC/ABS	3"
AD42-44-UPVC/ABS	4"



Socket Weld Flange PN16

Part Number	Size
FF33-12-UPVC/ABS	1/2"
FF33-34-UPVC/ABS	3/4"
FF33-1-UPVC/ABS	1"
FF33-114-UPVC/ABS	1.1/4"
FF33-112-UPVC/ABS	1.1/2"
FF33-2-UPVC/ABS	2"
FF33-3-UPVC/ABS	3"
FF33-4-UPVC/ABS	4"

Reinforced PVC Hose

RPVC



30m Coils, Smooth Bore, BS6066, ISO5774
-20°C to +65°C

Food Grade Braided PVC Hose

Size	1/4	5/16	3/8	1/2	3/4	1	1.1/4	1.1/2	2
ID	6mm	8mm	10mm	13mm	19mm	25mm	32mm	38mm	50mm
OD	11mm	13mm	15mm	18mm	25mm	31mm	40mm	46mm	60mm
MAX	15 BAR	15 BAR	12 BAR	12 BAR	10 BAR	9 BAR	6 BAR	6 BAR	3 BAR

Colours Available on Request

Wire Reinforced Suction Hose

FX



30m Coils or 10m Coils, Smooth Bore
-5°C to +65°C

Clear PVC Reinforced with Steel Helix

Size	1/2	3/4	1	1.1/4	1.1/2	2	2.1/2	3	4
WALL	3mm	3.4mm	4mm	4.8mm	5.5mm	7mm	7mm	8mm	8mm
BEND	50mm	80mm	100mm	130mm	155mm	200mm	260mm	320mm	430mm
MAX	6 BAR	6 BAR	6 BAR	5 BAR	5 BAR	5 BAR	4 BAR	4 BAR	4 BAR

Medium Duty Suction Hose

MDS



30m Coils or 10m Coils
-15°C to +65°C

Olive Green PVC Reinforced

Size	1	1.1/4	1.1/2	2	2.1/2	3	4	6
WALL	3.8mm	4mm	4.4mm	4.8mm	5.2mm	5.2mm	6.3mm	7.5mm
BEND	125mm	160mm	190mm	250mm	315mm	300mm	400mm	800mm
MAX	7 BAR	7 BAR	6 BAR	5 BAR	4.5 BAR	5 BAR	4 BAR	3 BAR

Oil Resistant Suction Hose

BORS



30m Coils or 10m Coils, Smooth Bore
-15°C to +60°C

Blue PVC Reinforced

Size	3/4	1	1.1/4	1.1/2	2	2.1/2	3
WALL	3.5mm	4mm	4mm	4.5mm	4.5mm	4.5mm	5mm
BEND	100mm	110mm	135mm	150mm	200mm	250mm	300mm
MAX	8 BAR	8 BAR	7 BAR	7 BAR	6.5 BAR	5 BAR	4.5 BAR

Layflat PVC Delivery Hose

LFH



10m Coils or 100m Coils
-15°C to +55°C

Blue PVC

Size	1	1.1/4	1.1/2	2	2.1/2	3	4	6
ID	25mm	32mm	38mm	51mm	64mm	76mm	102mm	200mm
MAX	4.5 BAR	4.5 BAR	4.5 BAR	4.5 BAR	4.5 BAR	4.5 BAR	4.5 BAR	4.5 BAR

Yellow Available on Request

Jubilee Clip

Mild Steel

Size	000	M00	00	0	OX	1A	1	1X	1M
Min	9.5	11	13	16	18	22	25	30	32
Max	12	16	20	22	25	30	35	40	45

Size	2A	2	2X	3	3X	4	4X	5	6
Min	35	40	45	55	60	70	85	90	110
Max	50	55	60	70	80	90	100	120	140



Larger Sizes and Stainless Steel Available on Request

JC

O Clip

Mild Steel

Min	3	5	7	8	9	11	13	15	15
Max	5	7	9	11	11	13	15	17	18

Min	16	17	19	20	22	23
Max	19	20	22	23	25	27



Larger Sizes and Stainless Steel Available on Request

OET

Heavy Duty Hose Clamp

Steel Zinc Yellow Plated

Min	17	20	23	26	29	32	36	40	44
Max	19	22	25	28	31	35	39	43	47

Min	48	52	56	60	64	68	74	80	86
Max	51	55	59	63	67	73	79	85	91

Min	92	98	104	113	122	131	140	149	162
Max	97	103	112	121	130	139	148	161	174



Larger Sizes Available on Request

HDSHS

Heavy Duty Hose Clamp

304 Stainless Steel

Min	17	20	23	26	29	32	36	40	44
Max	19	22	25	28	31	35	39	43	47

Min	48	52	56	60	64	68	74	80	86
Max	51	55	59	63	67	73	79	85	91

Min	92	98	104	113	122	131	140	149	162
Max	97	103	112	121	130	139	148	161	174



Larger Sizes Available on Request

SHC

PCL Airflow Pneumatic Couplings



Coupling

Part Number	Connection
AC21CM02	1/4 Male BSPT
AC21EM02	3/8 Male BSPT
AC21JM02	1/2 Male BSPT
AC21CF02	1/4 Female BSPP
AC21EF02	3/8 Female BSPP
AC21JF02	1/2 Female BSPP
AC21R02	1/4 Hose Tail
AC21S02	5/16 Hose Tail
AC21T02	3/8 Hose Tail



Plug

Part Number	Connection
ACA2593	1/4 Male BSPT
ACA6909	3/8 Male BSPT
ACA6584	1/2 Male BSPT
ACA2746	1/4 Female BSPP
ACA6582	3/8 Female BSPP
ACA6583	1/2 Female BSPP
ACA1793	1/4 Hose Tail
ACA2487	5/16 Hose Tail
ACA2488	3/8 Hose Tail

Series 23 ISO B12 Standard Pneumatic Coupling



Coupling

Part Number	Connection
PC23S04M	1/4 Male BSPT
PC23S06M	3/8 Male BSPT
PC23S08M	1/2 Male BSPT
PC23S04F	1/4 Female BSPP
PC23S06F	3/8 Female BSPP
PC23S08F	1/2 Female BSPP
PC23S04H	1/4 Hose Tail
PC23S05H	5/16 Hose Tail
PC23S06H	3/8 Hose Tail
PC23S08H	1/2 Hose Tail



Plug

Part Number	Connection
PC23P04M	1/4 Male BSPT
PC23P06M	3/8 Male BSPT
PC23P08M	1/2 Male BSPT
PC23P04F	1/4 Female BSPP
PC23P06F	3/8 Female BSPP
PC23P08F	1/2 Female BSPP
PC23P04H	1/4 Hose Tail
PC23P05H	5/16 Hose Tail
PC23P06H	3/8 Hose Tail
PC23P08H	1/2 Hose Tail

Series 25 Standard Pneumatic Coupling



Coupling

Part Number	Connection
PC25S04M	1/4 Male BSPT
PC25S06M	3/8 Male BSPT
PC25S08M	1/2 Male BSPT
PC25S04F	1/4 Female BSPP
PC25S06F	3/8 Female BSPP
PC25S08F	1/2 Female BSPP
PC25S04H	1/4 Hose Tail
PC25S05H	5/16 Hose Tail
PC25S06H	3/8 Hose Tail
PC25S08H	1/2 Hose Tail



Plug

Part Number	Connection
PC25P04M	1/4 Male BSPT
PC25P06M	3/8 Male BSPT
PC25P08M	1/2 Male BSPT
PC25P04F	1/4 Female BSPP
PC25P06F	3/8 Female BSPP
PC25P08F	1/2 Female BSPP
PC25P04H	1/4 Hose Tail
PC25P05H	5/16 Hose Tail
PC25P06H	3/8 Hose Tail
PC25P08H	1/2 Hose Tail



Female Threaded Coupling

Female Threaded Plug

Size	Part Number Aluminium	Part Number Polypropylene	Part Number Brass	Part Number Stainless Steel	Part Number Aluminium	Part Number Polypropylene	Part Number Brass	Part Number Stainless Steel
1/2"	D12-AU	D12-PP	D12-BR	D12-SS	A12-AU	A12-PP	A12-BR	A12-SS
3/4"	D34-AU	D34-PP	D34-BR	D34-SS	A34-AU	A34-PP	A34-BR	A34-SS
1"	D1-AU	D1-PP	D1-BR	D1-SS	A1-AU	A1-PP	A1-BR	A1-SS
1.1/4"	D114-AU	D114-PP	D114-BR	D114-SS	A114-AU	A114-PP	A114-BR	A114-SS
1.1/2"	D112-AU	D112-PP	D112-BR	D112-SS	A112-AU	A112-PP	A112-BR	A112-SS
2"	D2-AU	D2-PP	D2-BR	D2-SS	A2-AU	A2-PP	A2-BR	A2-SS



Male Threaded Coupling

Male Threaded Plug

Size	Part Number Aluminium	Part Number Polypropylene	Part Number Brass	Part Number Stainless Steel	Part Number Aluminium	Part Number Polypropylene	Part Number Brass	Part Number Stainless Steel
1/2"	B12-AU	B12-PP	B12-BR	B12-SS	F12-AU	F12-PP	F12-BR	F12-SS
3/4"	B34-AU	B34-PP	B34-BR	B34-SS	F34-AU	F34-PP	F34-BR	F34-SS
1"	B1-AU	B1-PP	B1-BR	B1-SS	F1-AU	F1-PP	F1-BR	F1-SS
1.1/4"	B114-AU	B114-PP	B114-BR	B114-SS	F114-AU	F114-PP	F114-BR	F114-SS
1.1/2"	B112-AU	B112-PP	B112-BR	B112-SS	F112-AU	F112-PP	F112-BR	F112-SS
2"	B2-AU	B2-PP	B2-BR	B2-SS	F2-AU	F2-PP	F2-BR	F2-SS



Hose Tail Coupling

Hose Tail Plug

Size	Part Number Aluminium	Part Number Polypropylene	Part Number Brass	Part Number Stainless Steel	Part Number Aluminium	Part Number Polypropylene	Part Number Brass	Part Number Stainless Steel
1/2"	C12-AU	C12-PP	C12-BR	C12-SS	E12-AU	E12-PP	E12-BR	E12-SS
3/4"	C34-AU	C34-PP	C34-BR	C34-SS	E34-AU	E34-PP	E34-BR	E34-SS
1"	C1-AU	C1-PP	C1-BR	C1-SS	E1-AU	E1-PP	E1-BR	E1-SS
1.1/4"	C114-AU	C114-PP	C114-BR	C114-SS	E114-AU	E114-PP	E114-BR	E114-SS
1.1/2"	C112-AU	C112-PP	C112-BR	C112-SS	E112-AU	E112-PP	E112-BR	E112-SS
2"	C2-AU	C2-PP	C2-BR	C2-SS	E2-AU	E2-PP	E2-BR	E2-SS



Dust Plug

Lever Stop

Size	Part Number Aluminium	Part Number Polypropylene	Part Number Brass	Part Number Stainless Steel	Part Number Aluminium	Part Number Polypropylene	Part Number Brass	Part Number Stainless Steel
1/2"	DP12-AU		DP12-BR	DP12-SS	DC12-AU		DC12-BR	
3/4"	DP34-AU	DP34-PP		DP34-SS	DC34-AU	DC34-PP		DC34-SS
1"	DP1-AU	DP1-PP	DP1-BR	DP1-SS	DC1-AU	DC1-PP	DC1-BR	DC1-SS
1.1/4"	DP114-AU	DP114-PP	DP114-BR		DC114-AU	DC114-PP		DC114-SS
1.1/2"	DP112-AU	DP112-PP	DP112-BR	DP112-SS	DC112-AU	DC112-PP	DC112-BR	DC112-SS
2"	DP2-AU	DP2-PP	DP2-BR	DP2-SS	DC2-AU	DC2-PP	DC2-BR	DC2-SS

BS10 Table D										BS10 Table E										BS10 Table F										BS10 Table H										BS1560 Asa 150										BS1560 Asa 300									
Flange Dimensions					Diameter & Length of Bolts					Flange Dimensions					Diameter & Length of Bolts					Flange Dimensions					Diameter & Length of Bolts					Flange Dimensions					Diameter & Length of Bolts					Flange Dimensions					Diameter & Length of Bolts														
mm	In	Dia	Thick	PCD	No. of Holes	Dia	Thick	PCD	No. of Holes	Dia	Thick	PCD	No. of Holes	Dia	Thick	PCD	No. of Holes	Dia	Thick	PCD	No. of Holes	Dia	Thick	PCD	No. of Holes	Dia	Thick	PCD	No. of Holes	Dia	Thick	PCD	No. of Holes	Dia	Thick	PCD	No. of Holes																						
15	1/2	3/4	3/16	2 5/8	4	M12.25	3 3/4	1/4	2 5/8	4	M12.30	3 3/4	3/8	2 5/8	4	M12.40	4 1/2	1/2	3 1/4	4	M16.50	3 1/2	7/16	2 3/8	4	M12.45	3 3/4	9/16	2 3/8	4	M12.50	3 3/4	9/16	2 3/8	4	M12.50	3 3/4	9/16	2 3/8	4																			
20	3/4	4	3/16	2 7/8	4	M12.25	4	1/4	2 7/8	4	M12.30	4	3/8	2 7/8	4	M12.40	4 1/2	1/2	3 1/4	4	M16.50	3 7/8	1/2	2 3/4	4	M12.50	4 5/8	5/8	2 3/4	4	M12.50	4 5/8	5/8	2 3/4	4	M12.50	4 5/8	5/8	2 3/4	4																			
25	1	4 1/2	3/16	3 1/4	4	M12.25	4 1/2	9/32	3 1/4	4	M12.30	4 3/4	3/8	3 7/16	4	M16.45	4 3/4	9/16	3 7/16	4	M16.50	4 1/4	9/16	3 1/8	4	M12.50	4 7/8	5/8	3 1/8	4	M12.50	4 7/8	5/8	3 1/8	4	M12.50	4 7/8	5/8	3 1/8	4																			
32	1 1/4	4 3/4	1/4	3 7/16	4	M12.30	4 3/4	5/16	3 7/16	4	M12.40	5 1/4	1/2	3 7/8	4	M16.45	5 1/4	11/16	3 7/8	4	M16.55	4 5/8	5/8	3 1/2	4	M12.55	5 1/4	5/8	3 1/2	4	M12.55	5 1/4	5/8	3 1/2	4	M12.55	5 1/4	5/8	3 1/2	4																			
40	1 1/2	5 1/4	1/4	3 7/8	4	M12.30	5 1/4	11/32	3 7/8	4	M12.40	5 1/2	1/2	4 1/8	4	M16.50	5 1/2	11/16	4 1/8	4	M16.55	5	11/16	2 7/8	4	M12.55	6 1/8	5/8	2 7/8	4	M12.55	6 1/8	5/8	2 7/8	4	M12.55	6 1/8	5/8	2 7/8	4																			
50	2	6	5/16	4 1/2	4	M16.40	6	3/8	4 1/2	4	M16.45	6 1/2	5/8	5	4	M16.55	6 1/2	3/4	5	4	M16.55	6	3/4	4 3/4	4	M16.70	6 1/2	7/8	4 3/4	4	M16.70	6 1/2	7/8	4 3/4	4	M16.70	6 1/2	7/8	4 3/4	4																			
65	2 1/2	6 1/2	5/16	5	4	M16.40	6 1/2	13/32	5	4	M16.45	7 1/4	5/8	5 3/4	8	M16.55	7 1/4	3/4	5 3/4	8	M16.65	7	7/8	5 1/2	4	M16.75	7 1/2	7/8	5 1/2	4	M16.75	7 1/2	7/8	5 1/2	4	M16.75	7 1/2	7/8	5 1/2	4																			
80	3	7 1/4	3/8	5 3/4	4	M16.45	7 1/4	7/16	5 3/4	4	M16.45	8	5/8	6 1/2	8	M16.55	8	7/8	6 1/2	8	M16.70	7 1/2	15/16	6	4	M16.75	8 1/4	1 1/8	6	4	M16.75	8 1/4	1 1/8	6	4	M16.75	8 1/4	1 1/8	6	4																			
100	4	8 1/2	3/8	7	4	M16.45	8 1/2	1/2	7	8	M16.50	9	3/4	7 1/2	8	M16.65	9	1	7 1/2	8	M16.75	9	15/16	7 1/2	8	M16.75	10	1 1/4	7 1/2	8	M16.75	10	1 1/4	7 1/2	8	M16.75	10	1 1/4	7 1/2	8																			
125	5	10	1/2	8 1/4	8	M16.50	10	9/16	8 1/4	8	M16.50	11	7/8	9 1/4	8	M20.70	11	1 1/8	9 1/4	8	M20.80	10	15/16	8 1/2	8	M20.80	11	1 3/8	8 1/2	8	M20.80	11	1 3/8	8 1/2	8	M20.80	11	1 3/8	8 1/2	8																			
150	6	11	1/2	9 1/4	8	M16.50	11	11/16	9 1/4	8	M20.65	12	7/8	10 1/4	12	M20.70	12	1 1/8	10 1/4	12	M20.80	11	1	9 1/2	8	M20.80	12 1/2	1 7/16	9 1/2	12	M20.80	12 1/2	1 7/16	9 1/2	12	M20.80	12 1/2	1 7/16	9 1/2	12																			
175	7	12	1/2	10 1/4	8	M16.50	12	3/4	10 1/4	8	M20.65	13 1/4	7/8	11 1/2	12	M20.70	13 1/4	1 1/4	11 1/2	12	M20.90	-	-	-	-	M20.90	-	-	-	-	M20.90	-	-	-	-	M20.90	-	-	-	-																			
200	8	13 1/4	1/2	11 1/2	8	M16.50	13 3/4	3/4	11 1/2	8	M20.65	14 1/2	1	12 3/4	12	M20.75	14 1/2	1 1/4	12 3/8	12	M20.90	13 1/2	1 1/8	11 3/4	8	M20.90	15	1 5/8	11 3/4	13	M20.90	15	1 5/8	11 3/4	13	M20.90	15	1 5/8	11 3/4	13																			
225	9	14 1/2	5/8	12 3/4	8	M16.55	14 1/2	13/16	12 3/4	12	M20.70	16	1 1/8	14	12	M22.80	16	1 3/8	14	12	M22.100	-	-	-	-	M22.100	-	-	-	-	M22.100	-	-	-	-	M22.100	-	-	-	-																			
250	10	16	5/8	14	8	M20.55	16	7/8	14	12	M20.70	17	1 1/8	15	12	M22.80	17	1 3/8	15	12	M22.100	16	1 3/16	14 1/4	12	M22.95	17 1/2	1 7/8	14 1/4	16	M24.120	17 1/2	1 7/8	14 1/4	16	M24.120	17 1/2	1 7/8	14 1/4	16																			
300	12	18	3/4	16	12	M20.65	18	1	16	12	M22.80	19 1/4	1 1/4	17 1/4	16	M22.90	19 1/4	1 5/8	17 1/4	16	M22.105	19	1 1/4	17	12	M22.100	20 1/2	2	17 3/4	16	M28.130	20 1/2	2	17 3/4	16	M28.130	20 1/2	2	17 3/4	16																			
350	14	20 3/4	7/8	18 1/2	12	M22.70	20 3/4	1 1/8	18 1/2	12	M22.80	21 3/4	1 3/8	19 1/2	16	M24.100	21 3/4	1 7/8	19 1/2	16	M24.120	21	1 3/8	18 3/4	12	M24.105	23	2 1/8	20 1/4	20	M28.140	23	2 1/8	20 1/4	20	M28.140	23	2 1/8	20 1/4	20																			
375	15	21 3/4	7/8	19 1/2	12	M22.70	21 3/4	1 1/4	19 1/2	12	M22.90	22 3/4	1 1/2	20 1/2	16	M24.105	22 3/4	2	20 1/2	16	M24.130	-	-	-	-	M24.105	-	-	-	-	M24.105	-	-	-	-	M24.105	-	-	-	-																			
400	16	22 3/4	7/8	20 1/2	12	M22.70	22 3/4	1 1/4	20 1/2	12	M22.90	24	1 5/8	21 3/4	20	M24.110	24	2 1/8	21 3/4	20	M24.140	23 1/2	1 7/16	21 1/4	16	M24.105	25 1/2	2 1/4	22 1/2	20	M30.150	25 1/2	2 1/4	22 1/2	20	M30.150	25 1/2	2 1/4	22 1/2	20																			
450	18	25 1/4	1	23	12	M22.75	25 1/4	13/8	23	16	M22.100	26 1/2	1 3/4	24	20	M28.120	26 1/2	2 3/8	24	20	M28.150	25	1 9/16	22 3/4	16	M28.110	28	2 3/8	24 3/4	24	M30.150	28	2 3/8	24 3/4	24	M30.150	28	2 3/8	24 3/4	24																			
500	20	27 3/4	1 1/8	25 1/4	16	M22.80	27 3/4	1 1/2	25 1/4	16	M22.105	29	1	26 1/2	24	M28.130	29	2 5/8	26 1/2	24	M28.170	27 1/2	1 11/16	25	20	M28.120	30 1/2	2 1/2	27	24	M30.160	30 1/2	2 1/2	27	24	M30.160	30 1/2	2 1/2	27	24																			
600	24	32 1/2	1 1/4	29 3/4	16	M24.90	32 1/2	1 7/8	29 3/4	16	M28.120	33 1/2	2 1/4	30 3/4	24	M30.150	33 1/2	3	30 3/4	24	M30.200	32	1 3/8	29 1/2	20	M30.120	36	2 3/4	32	24	M38.180	36	2 3/4	32	24	M38.180	36	2 3/4	32	24																			

Nominal Bore mm	BS4504 Table 6						BS4504 Table 10						BS4504 Table 16						BS4504 Table 25						BS4504 Table 40						BS4504 Table 64					
	Dia. in	Thick in	PCD in	No. of Holes	Diameter & Length of Bolts	Flange Dimensions	Dia. in	Thick in	PCD in	No. of Holes	Diameter & Length of Bolts	Flange Dimensions	Dia. in	Thick in	PCD in	No. of Holes	Diameter & Length of Bolts	Flange Dimensions	Dia. in	Thick in	PCD in	No. of Holes	Diameter & Length of Bolts	Flange Dimensions	Dia. in	Thick in	PCD in	No. of Holes	Diameter & Length of Bolts	Flange Dimensions	Dia. in	Thick in	PCD in	No. of Holes	Diameter & Length of Bolts	
1/2	15	80	12	55	4	M10.45	95	14	65	4	M12.50	95	14	65	4	M12.50	95	16	65	4	M12.55	95	16	65	4	M12.55	95	16	65	4	M12.55	105	20	75	4	M12.70
3/4	20	90	14	65	4	M10.50	105	16	75	4	M12.55	105	16	75	4	M12.55	105	18	75	4	M12.65	105	18	75	4	M12.65	130	22	90	4	M16.70					
1	25	100	14	75	4	M10.50	115	16	85	4	M12.55	115	16	85	4	M12.55	115	18	85	4	M12.65	115	18	85	4	M12.65	140	24	100	4	M16.75					
1.1/4	32	120	16	90	4	M12.55	140	16	100	4	M16.55	140	16	100	4	M16.55	140	18	100	4	M16.65	140	18	100	4	M16.65	155	24	110	4	M20.75					
1.1/2	40	130	16	100	4	M12.55	150	16	110	4	M16.55	150	16	110	4	M16.55	150	20	110	4	M16.70	150	20	110	4	M16.70	170	26	125	4	M20.80					
2	50	140	16	110	4	M12.55	165	18	125	4	M16.65	165	18	125	4	M16.65	165	20	125	4	M16.70	165	20	125	4	M16.70	180	26	135	4	M20.80					
2.1/2	65	160	16	130	4	M12.55	185	18	145	4	M16.65	185	18	145	4	M16.65	185	22	145	8	M16.70	185	22	145	8	M16.70	205	26	160	8	M20.80					
3	80	190	18	150	4	M16.65	200	20	160	8	M16.70	200	20	160	8	M16.70	200	24	160	8	M16.75	200	24	160	8	M16.75	215	30	170	8	M20.90					
4	100	210	18	170	4	M16.65	220	20	180	8	M16.70	220	20	180	8	M16.70	220	26	190	8	M20.80	235	26	190	8	M20.80	250	32	200	8	M24.90					
5	125	240	20	200	8	M16.70	250	22	210	8	M16.70	250	22	210	8	M16.70	270	28	220	8	M24.80	270	28	220	8	M24.80	295	34	240	8	M27.100					
6	150	265	20	225	8	M16.70	285	22	240	8	M20.70	285	22	240	8	M20.70	300	28	250	8	M24.80	300	30	250	8	M24.90	345	36	280	8	M30.105					
7	175	-	-	-	-	-	315	24	270	8	M20.75	315	24	270	8	M20.75	330	30	280	12	M24.80	350	32	295	12	M27.90	375	40	310	12	M30.120					
8	200	320	22	280	8	M16.70	340	24	295	8	M20.75	340	24	295	12	M20.75	360	30	310	12	M24.90	375	34	320	12	M27.90	415	46	345	12	M33.130					
10	250	375	24	335	12	M16.70	395	26	350	12	M20.80	405	26	355	12	M24.80	425	38	370	12	M24.90	450	42	385	12	M30.120	470	54	400	12	M33.150					
12	300	440	24	395	12	M20.70	445	26	400	12	M20.80	460	28	410	12	M24.80	485	40	430	16	M27.110	515	50	450	16	M30.140	530	62	460	16	M33.160					
14	350	490	26	445	12	M20.80	505	28	460	16	M20.80	520	32	470	16	M24.90	555	42	490	16	M30.125	580	56	510	16	M33.150	600	72	525	16	M37.180					
16	400	540	28	495	16	M20.80	565	32	515	16	M24.90	580	36	525	16	M27.100	620	46	550	16	M33.140	660	64	585	16	M36.160	670	78	585	16	M39.200					
18	450	595	30	550	16	M20.90	615	36	565	20	M24.105	640	40	585	20	M27.120	670	52	600	20	M33.140	685	68	610	20	M36.170	-	-	-	-	-					
20	500	645	30	600	20	M20.90	670	38	620	20	M24.105	715	44	650	20	M30.125	730	58	660	20	M33.155	755	72	670	20	M39.180	-	-	-	-	-					
24	600	755	32	705	20	M24.90	780	42	725	20	M27.120	840	52	770	20	M33.140	845	66	770	20	M36.165	-	-	-	-	-	-	-	-	-	-	-	-	-		

Length Conversion:

	Metres	Inches	Feet	Millimetres	Miles	Kilometers
Metres	1	39.37	3.2808	1,000	0.0006214	0.001
Inches	0.0254	1	0.0833	25.4	0.00001578	0.0000254
Feet	0.3048	12	1	304.80	0.0001984	0.0003048
Millimetres	0.001	0.03937	0.0032808	1	0.0000006214	0.000001
Miles	1609.35	63.360	5.286	1,609,350	1	1.60935

Flow Rate Conversion:

	Litres Per Second	Litres Per Minute	Cube Meters Per Hour	Cubic Feet Per Hour	Gallons Per Minute	Imperial Gallons Per Minute
Litres Per Second	1	60	3.60	127.1	21.19	13.20
Litres Per Minute	0.1667	1	0.06000	2.119	0.03532	0.2200
Cube Meters Per Hour	0.2778	16.67	1	35.31	0.5886	3.666
Cubic Feet Per Hour	0.007865	0.4719	0.02832	1	0.01667	0.1038
Gallons Per Minute	0.4719	28.32	1.6999	60.00	1	6.229
Imperial Gallons Per Minute	0.07577	4.546	0.2727	9.633	0.1606	1

Torque Conversion:

	Newton Metres	Kilogram Force Metres	Foot Pounds	Inch Pounds
Newton Metres	1	0.1020	0.7376	8.651
Kilogram Force Metres	9.807	1	7.233	86.80
Foot Pounds	1.356	0.1383	1	12.00
Inch Pounds	0.1130	0.01152	0.08333	1

Conversion Chart:

	Symbol	Times by	To Convert To
Cubic Feet Per Minute	ft ³ /min	1.699	m ³ /h
Cubic Feet Per Minute	ft ³ /min	0.0283	m ³ /min
Cubic Feet Per Minute	ft ³ /min	28.316	l/min
Cubic Feet Per Minute	ft ³ /min	0.4719	l/s
Cubic Metre Per Minute	m ³ /min	35.31	ft ³ /min
Cubic Metre Per Hour	m ³ /h	0.5885	ft ³ /min
Litre Per Minute	l/min	0.0353	ft ³ /min
Litre Per Second	l/s	2.119	ft ³ /min
Cubic Decimetre Per Second	dm ³ /s	2.119	ft ³ /min

$$1 \text{ BAR} = 14.5 \text{ lb/in}^2 \text{ (PSI)}$$

$$^{\circ}\text{C} = 5/9 (^{\circ}\text{F} - 32^{\circ})$$

$$^{\circ}\text{F} = (9/5 ^{\circ}\text{C}) + 32^{\circ}$$

1. General

(a) These conditions and any special conditions agreed in writing between us and the purchaser shall apply to all quotations by us and all orders and contracts for the manufacture or sale of goods accepted or carried out by us to the exclusion of any conditions in the purchaser's order terms or otherwise imposed by the purchaser.

(b) All orders are subject to written acceptance and in particular no binding contracts shall be created by the acceptance by the purchaser of a quotation or offer made by us and until we shall have accepted the order in writing.

2. Documents

(a) Unless otherwise stipulated in our written acceptance all descriptions, illustrations, drawings in our catalogues and literature or submitted independently, estimates of performance, weights and measurements or any other specifications provided by us are approximate only and we reserve the right to alter or amend the same at any time.

(b) We reserve the right at any time to correct clerical or technical errors in the contract documents.

(c) The purchaser shall furnish with the order all necessary specifications and information. We take no responsibility for goods manufactured, priced or delivered not in accordance with the order or the specifications unless the purchaser's order and specifications are clear and correct in every particular.

3. Prices

(a) Unless stipulated all prices contained in our quotations and written acceptances are ex works and do not include the cost of postage. All orders are accepted on the condition that all such prices are subject to revision by us at any time before the goods are dispatched to take account of any increase in costs.

(b) In the event of the whole order quoted for not being placed with us we reserve the right to revise our prices.

(c) We also reserve the right to revise our prices if any changes are made by the purchaser in the specifications or quantities of the goods or delivery requirements after the order has been accepted.

(d) VAT is not included in our quotation shall be added and payable where and at the rate applicable.

4. Minimum Charge

Depending on the product or service provided, a minimum order charge may be applicable.

5. Terms of Payment

(a) Unless otherwise stipulated in our written acceptance of payment are 30 days from date of invoice.

(b) In the event that the purchaser for any reason whatsoever failing within one calendar month of the due date of the payment, we shall thereupon be entitled to terminate the contract of any unfulfilled part thereof, or at our option to make partial deliveries.

6. Cancellation

No order or any other contract may be canceled or varied except by agreement by us. We reserve the right to charge a cancellation fee, for specially ordered, non stocked items.

7. Handling Charge

Goods supplied in accordance with the purchaser's order may be returned to us at our discretion provided the goods are unused. The purchaser will be required to pay us a minimum handling charge of 30% of the then current list price of such returned goods, we reserve the right to increase the handling charge on certain special or non stocked items.

8. Time for dispatch

All periods or dates quoted for dispatch and deliver are approximate only. We shall be entitled, without liability on our part and without prejudice to our other rights to terminate the contract, or at our option to suspend or make partial deliveries if the completion or the manufacture of the goods by us or our suppliers is prevented, hindered, or delayed for any reason beyond our supplier's reasonable control.

9. Delivery and Risk in Goods

Unless otherwise agreed, delivery of the goods shall be deemed to be made when we have notified the purchaser that the goods are ready to be dispatched. We will entertain no claim for damage in transit, shortage of delivery or loss of goods unless informed within 3 working days of the received date. Credit or replacements will then be arranged.

10. Property in the goods

Until full payment has been received by us for all goods whatsoever, property of the goods remains with us.

11. Test and Performance

Our goods are, where practical, are submitted to standard testing before delivery. Special tests or certificates such as Certificates of Conformity, Mills Certificates, calibration certificates and all other certificates will be charged as extra, the cost of which will be advised at time of ordering.

12. Faults and defects

We warrant that within 12 months of delivery the goods are returned by the purchaser immediately to our premises any of the said goods which he considers to be defective, carriage paid, properly packed, and clearly marked with the purchaser's full name and address and any other information regarding the goods and fault. Such goods will be examined and should we be satisfied that they are defective, they will be repaired or replaced free of charge providing the following:

- a) That the defect was solely due to defective workmanship
- b) That no alterations or repairs have been made
- c) That the defect was not caused by incorrect storage, handling or installation
- d) That the defect was not caused by fair wear and tear

 The Southern Valve and Fitting Co Ltd


Unit 8 Northridge Park


Haywood Way

Hastings

East Sussex

TN35 4PP

 01424 444222

 01424 446999

 www.southernvalve.co.uk

 sales@southernvalve.co.uk

 /southernvalve

 /southernvalve

