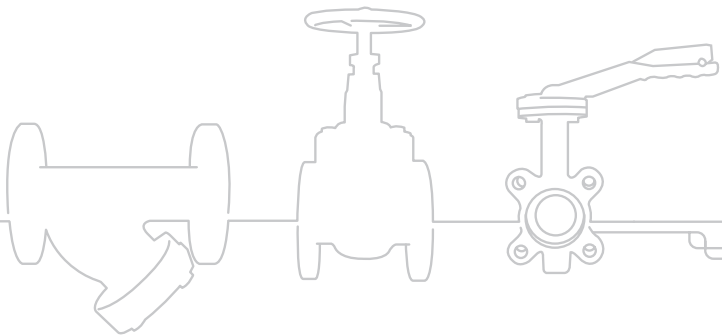
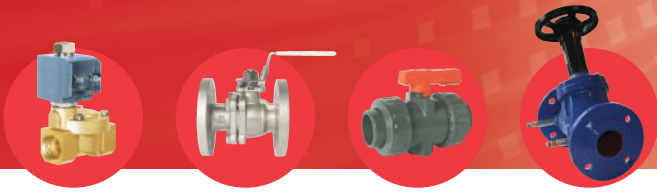


Product Catalogue March 2016



Manual and Actuated Valves



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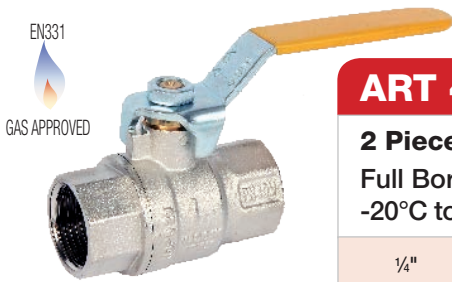
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EN331
GAS APPROVED



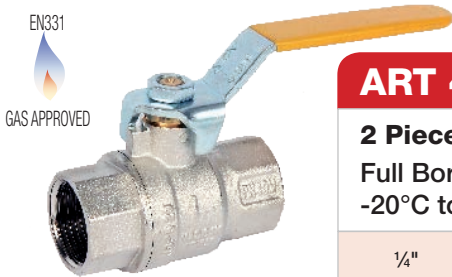
ART 45P

2 Piece Brass Ball Valve BSP Parallel F/F Ends

Full Bore • 40 Bar Rated (1/4" - 1") 32 Bar Rated (1 1/4" - 2") 16 Bar Rated (2 1/2" - 4")
-20°C to +150°C (1/4" - 2") • -10°C to +110°C (2 1/2" - 4") • WRAS +EN331 Gas Approved

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	45	45	63	71	83	92	104	124	130	150	178

Handle options: Tee Handle - Yellow
Lever - Yellow, Red + Blue



EN331
GAS APPROVED



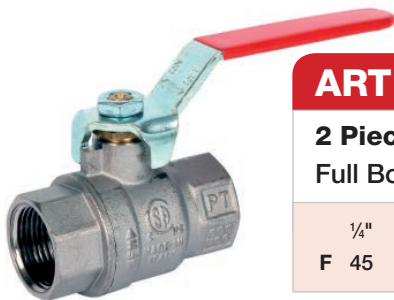
ART 45T

2 Piece Brass Ball Valve BSP Taper F/F Ends

Full Bore • 40 Bar Rated (1/4" - 1") • 32 Bar Rated (1 1/4" - 2") • 25 Bar Rated (2 1/2" - 4")
-20°C to +150°C • WRAS +EN331 Gas Approved

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	45	45	63	71	83	92	104	124	140	159	195

Handle options: Tee Handle - Yellow
Lever - Yellow, Red + Blue

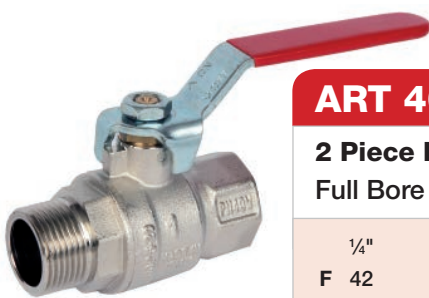


ART 45 NPT

2 Piece Brass Ball Valve NPT F/F Ends

Full Bore • 40 Bar Rated • -20°C to +150°C

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	45	45	60	67	80	89	98	112	140	159	196



ART 46

2 Piece Brass Ball Valve BSP Parallel M/F Ends

Full Bore • 40 Bar Rated • -20°C to +150°C • WRAS Approved

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	42	54	70	80	92	102	117	137



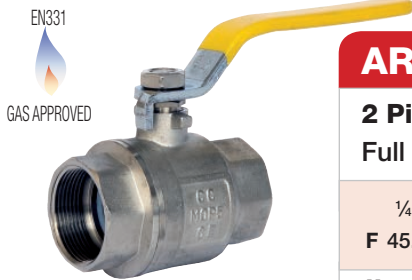
ART 47

2 Piece Brass Ball Valve BSP Parallel M/M Ends

Full Bore • 40 Bar Rated • -20°C to +150°C • WRAS Approved

	3/8"	1/2"	3/4"	1"
F	54	68	77	92





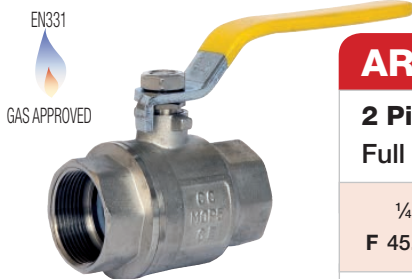
ART 40P

2 Piece Brass Ball Valve BSP Parallel F/F Ends

Full Bore • 40 Bar Rated (1/4" - 2") • 25 Bar Rated (2 1/2" - 4") • -20°C to +130°C

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	45.6	45.6	56.2	68	78	87	100	120	146	170	200

Handle options: Tee Handle - Yellow, Red + Blue
Lever - Yellow (1/4" to 4")
Lever - Red + Blue (1/2" to 2")



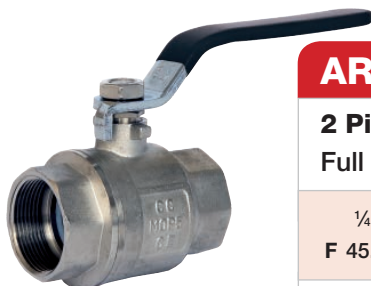
ART 40T

2 Piece Brass Ball Valve BSP Taper F/F Ends

Full Bore • 40 Bar Rated (1/4" - 2") • 25 Bar Rated (2 1/2" - 4") • -20°C to +130°C

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	45.6	45.6	56.2	68	78	87	100	120	146	170	200

Handle options: Tee Handle - Yellow, Red + Blue
Lever - Yellow



ART 40NPT

2 Piece Brass Ball Valve NPT F/F Ends

Full Bore • 40 Bar Rated (1/4" - 2") • 25 Bar Rated (2 1/2" - 4") • -20°C to +130°C

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	45.6	45.6	56.2	68	78	87	100	120	146	170	200

Handle options: Tee Handle - Yellow, Red + Blue
Lever - Black



ART 54

2 Piece Brass Ball Valve BSP Parallel F/F Ends

Full Bore • 32 Bar Rated (1/4" - 1") 25 Bar Rated (1 1/4" - 2")
16 Bar Rated (2 1/2" - 4") • -5°C to +110°C • WRAS Approved

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	41.5	43.5	48	58	69	80	91	108	130	150	182

Handle options: Lever - Red + Blue



ART 89

Brass Ball Valve Compression Ends

Full Bore • 25 Bar Rated • -10°C to +110°C • WRAS Approved
EN331 Gas Approved

	15mm	22mm	28mm	35mm	42mm	54mm
F	70.5	80	91.5	109	123	150

Handle options: Tee Handle - Yellow, Red + Blue
Lever - Yellow, Red + Blue



ART 160

Brass Ball Valve BSP Parallel F/F Ends

Full Bore • 40 Bar Rated (¼ - 1") 32 Bar Rated (1¼") 30 Bar Rated (1½ - 2½")
25 Bar Rated 3" • ISO Direct Mount • -20°C to +120°C

	¼"	⅜"	½"	¾"	1"	1¼"	1½"	2"	2½"	3"
F	65	65	65	75	86	95	101	120	165	188



ART 70/71

3 Way 'L' and 'T' Port Brass Ball Valve BSP Parallel Female Ends

Reduced Bore • 32 Bar Rated (¼ - 1") 25 Bar Rated (1¼ - 2")
-20°C to +150°C

	¼"	⅜"	½"	¾"	1"	1¼"	1½"	2"
F	74	74	80	90	105	115	138	161



ART 87/88

3 Way 'T' and 'L' Port Brass Ball Valve BSP Parallel Female Ends

30 Bar Rated (¼ - ¾") 20 Bar Rated (1 - 1¼") 16 Bar Rated (1½ - 2")
PTFE Seals • ISO Direct Mount • -20°C to +120°C

	¼"	⅜"	½"	¾"	1"	1¼"	1½"	2"
F	65	65	78	87	105	118	134	161



ART 175

Brass Gate Valve BS 5154 Approved BSP Taper F/F Ends

25 Bar Rated • -10°C to +186°C • Kite Marked KM 553179

	¼"	⅜"	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"
F	40	40	44	48	55	61	68	71	92	98	106



ART 610

Brass Gate Valve Conforms to BS 5154 BSP Taper F/F Ends

20 Bar Rated • -10°C to +180°C

	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"
F	43	46	52	65	66	83	94	103	120



ART 611

Brass Gate Valve BSP Parallel F/F Ends
16 Bar Rated • -10°C to +110°C

	3/4"	1"	1 1/4"
F	41	47	51



ART 615

Brass Gate Valve Conforms to BS 5154 Compression Ends
16 Bar Rated • -10°C to +110°C

	15mm	22mm	28mm	35mm	42mm	54mm
F	59	68	76	95	104	119



ART 84M/84R

Brass Swing Check Valve BSP Parallel F/F Ends
20 Bar Rated • Metal Seat • 0°C to +120°C • 84R Rubber Seat • 0°C to +100°C

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	46	56	63	67.5	82	94	106	126.5	159



ART 66

Brass Spring Check Valve BSP Parallel Female Ends
20 Bar Rated • Flat Metal Disc • 0°C to +100°C

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	44.5	47	49	58	65	70	83	100	107	111



ART 98

Stainless Steel Mesh Filter BSP Parallel Male End
16 Bar Rated • 0°C to +110°C

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	47	54	60	64	72	82	95	96	112	127



ART 68

Brass Y Type Strainer BSP Parallel F/F Ends

20 Bar Rated (1/2" - 4") • 0°C to +150°C • Stainless Steel Screen

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	57	72	74.5	95	105	129	142.5	160	245



ART 1360

Automatic Air Vent BSP Parallel Male End

Body Brass CW617N Nickel Plated • 10 Bar Rated • +5°C to +110°C

	3/8"	1/2"
F	61	61



ART 257 / ART 257C

Locking Device

To Suit Art 45, 40, 50, 59 & 89 Series • Consult Brass Product Information Book for more details

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
257	95	95	120	120	150	150	160	160
257C	-	-	100	100	125	150	150	165



ART 97

Thermal Extension

To Suit Art 45 Series • Consult Brass Product Information Book for more details

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
M	M	1A	1A	2A	2A	3A	3A	*	*	*	*

* Refer to Sales Office



ART 97C

Thermal Extension

To Suit Art 40, 50, 59 + 89 Series

Consult Brass Product Information Book for more details

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
	1B	1B	2B	3B	3B	4B

DZR Brass Valves



ART 640HW

PN20 DZR Brass Gate Valve Conforms to BS5154 BSP Taper F/F Ends
20 Bar Rated • -10°C to +180°C

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	43	46	52	65	66	82.5



ART 640LS

PN20 DZR Brass Gate Valve Conforms to BS5154
BSP Taper F/F Ends Lockshield
20 Bar Rated • -10°C to +180°C

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	43	46	52	65	66	82.5



ART 50

2 Piece DZR Brass Ball Valve BSP Taper F/F Ends
Full Bore • 40 Bar Rated • -20°C to +130°C • WRAS Approved

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	46	46	56	68	78	87	100	120

Handle options: Tee Handle - Yellow, Red + Blue



ART 59

DZR Brass Ball Valve Compression Ends
Full Bore • 25 Bar Rated • -10°C to +110°C • WRAS Approved

	15mm	22mm	28mm	35mm	42mm	54mm
F	70.5	80	91.5	109	123	150

Handle options: Tee Handle - Yellow, Red + Blue



ART 55 PRS

PN16 DZR Brass Ball Valve
Full Bore • 16 Bar Rated • -20°C to +140°C • Universal M + V Press 15mm to 35mm • Dedicated M + V Profiles 42mm and 54mm • Thermal extension available on request

	15mm	22mm	28mm	35mm	42mm	54mm
F	78	90.5	99	107	132.5	154.5





ART 345

2 Piece Bronze Ball Valve BSP Taper F/F Ends

Full Bore • 40 Bar Rated • -10°C to +140°C

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	55	62	73	83	92	107



ART 375HW

Bronze Gate Valve Conforms to BS 5154 BSP Taper F/F Ends Handwheel Op

20 Bar Rated • -10°C to +180°C • WRAS Approved

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	47.5	51.5	58.6	63	66.5	73.5



ART 375LS

Bronze Gate Valve Conforms to BS 5154 BSP Taper F/F Ends Lockshield

20 Bar Rated • -10°C to +180°C • WRAS Approved

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	47.5	51.5	58.6	63	66.5	73.5



ART 350

Bronze Globe Valve Conforms to BS 5154 BSP Taper F/F Ends

32 Bar Rated • -10°C to +198°C • Renewable PTFE Seat

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	57	67	76.5	88	102.5	121.5



ART 384

Bronze Swing Check Valve BSP Taper F/F Ends

20 Bar Rated • -10°C to +180°C • Metal Seat

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	56	70.5	80.0	96.5	110.0	129.0

Bronze Valves

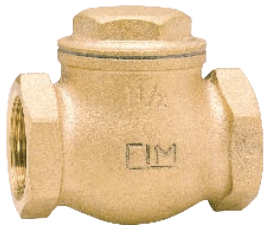


ART 368

Bronze 'Y' Type Strainer BSP Taper F/F Ends

20 Bar Rated • -10°C to +180°C • Stainless Steel Screen 0.75mm

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	80	100	115	135	160	190



ART 380

Bronze Lift Check Valve BSPP F/F Ends

20 Bar Rated • -10°C to +180°C • PTFE Seat

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	57	60	70	84	91	104	126	135	148	190



ART 335

Flanged Bronze Gate Valve Drilled PN16 (Undrilled on request)

16 Bar Rated • -10°C to +180°C

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
F	69	85	89	98	113	125	154	158	170	191	210



ART 390

Flanged Bronze Globe Valve Drilled PN16 (Undrilled on request)

16 Bar Rated • -10°C to +170°C • PTFE Seat

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	84	95	105	115	134	156	170	180	200



ART 360

Flanged Bronze Lift Check Valve Drilled PN16 (Undrilled on request)

16 Bar Rated • -10°C to +170°C • PTFE Seat

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	84	95	105	115	134	156	170	180	200



ART 901L

1 Piece Stainless Steel Ball Valve BSP Taper F/F Ends

Reduced Bore • 69 Bar Rated (1/4 - 1 1/4") • 55 Bar Rated (1 1/2 - 2")
-25°C to +200°C • PTFE Seals • Locking Lever



	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	40	45	56	59	71	76	85	99



ART 902

2 Piece Stainless Steel Ball Valve BSP Taper F/F Ends

Full Bore • 82 Bar Rated (1/4 - 1") • 69 Bar Rated (1 1/4 - 1 1/2")
62 Bar Rated (2 - 4") • -25°C to +200°C • PTFE Seals • Locking Lever



	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
F	49	49	57	64	77	90	105	125	153	172



ART 902P

2 Piece Stainless Steel Ball Valve BSP Parallel F/F Ends

Full Bore • 82 Bar Rated (1/4 - 1") • 69 Bar Rated (1 1/4 - 1 1/2")
62 Bar Rated (2 - 4") • -25°C to +200°C • PTFE Seals • Locking Lever



	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	49	49	57	64	77	90	105	125



ART 902NPT

2 Piece Stainless Steel Ball Valve NPT F/F Ends

Full Bore • 82 Bar Rated (1/4 - 1") • 69 Bar Rated (1 1/4 - 1 1/2")
62 Bar Rated (2 - 4") • -25°C to +200°C • PTFE Seals • Locking Lever



	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	49	49	57	64	77	90	105	125



ART 903

3 Piece Stainless Steel Ball Valve BSP Taper F/F Ends

Full Bore • 82 Bar Rated (1/4 - 1") • 69 Bar Rated (1 1/4 - 1 1/2") • 62 Bar Rated (2 - 4") • -25°C to +200°C • PTFE Seals • Locking Lever



	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	50	60	75	80	90	110	120	140	185	205	240

Stainless Steel Valves



ART 903 SW

3 Piece Stainless Steel Ball Valve Socket Weld Ends

Full Bore • 82 Bar Rated (1/4" - 1") • 69 Bar Rated (1 1/4" - 1 1/2")
62 Bar Rated (2 - 4") • -25°C to +200°C • PTFE Seals • Locking Lever

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	50	60	75	80	90	110	120	140	185	205	240



ART 803

3 Piece Carbon Steel Ball Valve BSP Taper F/F Ends

Full Bore • 82 Bar Rated (1/4" - 1") • 69 Bar Rated (1 1/4" - 1 1/2")
62 Bar Rated (2 - 4") • -25°C to +200°C • PTFE Seals • Locking Lever

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	50	60	75	80	90	110	120	140	185	205	240



ART 993H

3 Piece Stainless Steel Ball Valve BSP Taper F/F Ends

Full Bore • 82 Bar Rated (1/4" - 1") • 69 Bar Rated (1 1/4" - 1 1/2")
62 Bar Rated (2 - 4") • -25°C to +200°C • PTFE Seals • ISO Direct Mount
Locking Lever

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	50	60	75	80	90	110	120	140	185	205	240



ART 926

2 Piece Flanged PN16/40 Stainless Steel Ball Valve

Full Bore • 40 Bar Rated (1/2" - 2") • 16 Bar Rated (2 1/2" - 8") • ISO Direct Mount
-25°C to +200°C (1/2" - 4") -25°C to +180°C (5" - 8") • PTFE Seats • Viton Seals
Locking Lever

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"
F	115	120	125	130	140	150	170	180	190	325	350	400



ART 928

2 Piece Flanged ASA 150 Stainless Steel Ball Valve

Full Bore • 22 Bar Rated • -25°C to +200°C • PTFE Seats • Viton Seals
ISO Direct Mount • Locking Lever

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	108	117	127	140	165	178	190	203	229



ART 987T/988L

PN82 Stainless Steel 'T' and 'L' Port Ball Valve BSP Taper F/F Ends

Reduced Bore • 82 Bar Rated (1/4" - 1") • 69 Bar Rated (1 1/4" - 1 1/2")
62 Bar Rated (2" - 4") • -25°C to +200°C • PTFE/Viton Seals • ISO Direct Mount
Locking Lever

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	75	75	75	85	100	122	131	158	178	202	246



ART 960

Stainless Steel Gate Valve BSP Parallel F/F Ends

16 Bar Rated • -25°C to +200°C • Full Bore

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	55	55	55	60	65	73	76	85



ART 961

Stainless Steel Globe Valve BSP Parallel F/F Ends

16 Bar Rated • -25°C to +200°C • Full Bore

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	67	67	67	80	89	100	118	134



ART 963

Stainless Steel Disc Wafer Check Valve

16 Bar Rated • -25°C to +200°C • 'O' Ring Viton

	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
F	14	14	14	18	18	20	22	26	30

To suit PN16 and ANSI 150 Flanges



ART 964

PN40 Stainless Steel Wafer Spring Check Valve

40 Bar Rated • -25°C to +200°C • Metal Seat

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	16	19	22	28	32	40	46	50	60

To suit PN10, PN16 and ANSI 150 and 300 Flanges

Stainless Steel Valves



ART 965

PN16 Stainless Steel Swing Check Valve BSP Parallel F/F Ends
16 Bar Rated • -25°C to +200°C • Metal Seat

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	63	63	63	74	85	101	115	135



ART 966

PN82 Stainless Steel Spring Check Valve BSP Parallel F/F Ends
82 Bar Rated (1/4 - 1") • 69 Bar Rated (1/4 - 1 1/2") • 62 Bar Rated (2 - 4")
-25°C to +200°C • Metal Seat

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	53	53	56	63	74	81	91	97	118	138	158



ART 968

Stainless Steel 'Y' Type Strainer BSP Parallel F/F Ends
55 Bar Rated • -25°C to +200°C • Stainless Steel Screen 1mm

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	64	64	64	80	90	106	119	140	167	198	238



ART 962

Stainless Steel Dual Plate Wafer Check Valve
16 Bar Rated • Bearings PTFE • Seal Viton • To suit PN16 Flanges

	2"	2 1/2"	3"	4"	6"	8"	10"	12"
F	43	46	64	64	76	89	114	114

To suit PN16 and ANSI 150 Flanges



ART 969

Stainless Steel 'Y' Type Strainer Flanged PN16
16 Bar Rated • -25°C to +180°C • 1/2 - 2" 1mm Screen 2 1/2 - 8" 2mm Screen

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"
F	130	150	160	180	200	230	290	310	350	400	480	600



ART 77/78

Cast Iron PN16 Flanged Ball Valve

Full Bore • 16 Bar Rated • -10°C to +150°C • ISO Direct Mount
 Chrome Plated Brass Ball (77) • Stainless Steel Ball (78)

3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"
F 120	125	130	140	150	170	180	190	200	210	400



ART 170

Cast Iron PN16 Flanged Swing Check Valve to BS5153

16 Bar Rated • -10°C to +230°C • Bronze Trim

2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
F 203	216	241	292	330	356	495	622	699



ART 171

Ductile Iron PN16 Ball Check Valve BSP Parallel F/F End

16 Bar Rated • 0°C to +80°C • Epoxy Finish • NBR Seals • NBR Coated Aluminium Ball

1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
F 125	132	145	174	200	243



ART 172

Ductile Iron PN16 Flanged Ball Check Valve to EN1233

16 Bar Rated • 0°C to +80°C • Epoxy Finish • NBR Seals • NBR Coated Aluminium Ball

2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
F 200	240	260	300	350	400	500	600	700



ART 121

Cast Iron Dual Plate Wafer Check Valve

16 Bar Rated • -10°C to +110°C • Stainless Steel Disc • EPDM Seat

2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
F 43	46	64	64	70	76	89	114	114

To suit PN10, PN16 and ASA 150 Flanges

Cast Iron Valves



ART 110

Ductile Iron Wafer Butterfly Valve

16 Bar Rated • -10°C to +110°C • EPDM Liner • DI Zinc Plated Disc • ISO Top

	2"	2½"	3"	4"	5"	6"	8"	10"	12"
F	43	46	46	52	56	56	60	68	78

Gearbox Available (We strongly advise gearbox on all 8", 10" and 12")

To suit PN10, PN16 and ANSI 150 Flanges



ART 115

Ductile Iron Wafer Butterfly Valve

16 Bar Rated • -10°C to +110°C • EPDM Liner • Stainless Steel Disc
ISO Top • WRAS Approved

	2"	2½"	3"	4"	5"	6"	8"	10"	12"
F	43	46	46	52	56	56	60	68	78

Gearbox Available (We strongly advise gearbox on all 8", 10" and 12")

To suit PN10, PN16 and ANSI 150 Flanges



ART 120

Ductile Iron Wafer Butterfly Valve

16 Bar Rated • -10°C to +90°C • NBR Liner • Stainless Steel Disc • ISO Top

	2"	2½"	3"	4"	5"	6"	8"	10"	12"
F	43	46	46	52	56	56	60	68	78

Gearbox Available (We strongly advise gearbox on all 8", 10" and 12")

To suit PN10, PN16 and ANSI 150 Flanges



ART 135

Ductile Iron Lugged and Tapped Butterfly Valves

16 Bar Rated • -10°C to +110°C • EPDM Liner • Stainless Steel Disc
ISO Top • WRAS Approved

	2"	2½"	3"	4"	5"	6"	8"	10"	12"
F	43	46	46	52	56	56	60	68	78

Gearbox Available (We strongly advise gearbox on all 8", 10" and 12")

To suit PN16 Flanges



ART 145

Ductile Iron Lugged and Tapped Butterfly Valves

16 Bar Rated • -10°C to +90°C • NBR Liner • DI Zinc Plated Disc
ISO Top • 8"-12" Gear Box Operated

	2"	2½"	3"	4"	5"	6"	8"	10"	12"
F	43	46	46	52	56	56	60	68	78

Gearbox Available (8" - 12" Supplied c/w G/Box for dry duty)

To suit PN16 Flanges



ART 235

Cast Iron PN16 Flanged Gate Valve to BS 5150

16 Bar Rated • -10°C to +230°C • Bronze Trim • Stainless Steel Stem

	2"	2½"	3"	4"	5"	6"	8"	10"	12"
F 178	190	203	229	254	267	292	330	356	



ART 105

Cast Iron PN16 Flanged Gate Valve to BS EN1171

16 Bar Rated • -10°C to +120°C • Stainless Steel Stem • Brass Trim

	1½"	2"	2½"	3"	4"	5"	6"	8"	10"	12"
F 140	150	170	180	190	200	210	230	250	270	



ART 210

Cast Iron Table E & D Flanged Gate Valves to BS 3464

10 Bar Rated • -10°C to +150°C • Bronze Trim • Stainless Steel Stem

	2"	2½"	3"	4"	5"	6"	8"
F 146	159	165	172	190	210	241	



ART 260

Cast Iron PN16 Globe Valve to BS 5152

16 Bar Rated • -10°C to +200°C • Bronze Trim • Stainless Steel Stem

	2"	2½"	3"	4"	5"	6"	8"	10"	12"
F 203	216	241	292	330	356	495	622	699	



ART 185

Cast Iron PN16 Flanged 'Y' Type Strainer

16 Bar Rated • -10°C to +230°C • Stainless Steel Screen 1.5mm

	2"	2½"	3"	4"	5"	6"	8"	10"	12"
F 230	290	310	350	400	480	600	730	850	

Hydronic Balancing & Controls



ART 25

DZR Brass Fixed Orifice Commissioning Valve

25 Bar Rated • -10°C to +120°C • BSP Parallel Ends • EPDM Seat
5 Year Guarantee

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	85	97	113	144	163	193



ART 25 PRS

DZR Brass Fixed Orifice Commissioning Valve

16 Bar Rated • -10°C to +120°C • 'M' Press Ends • EPDM Seat
5 Year Guarantee

	15mm	22mm	28mm	35mm	42mm	54mm
F	144	165	185	216	247.5	295



ART 26

DZR Brass Double Regulating Valve

25 Bar Rated • -10°C to +120°C • BSP Parallel Ends • EPDM Seat
5 Year Guarantee

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	68	77	91	108	116	143

Note: Low Flow version available in 1/2"



ART 27

DZR Brass Metering Station

20 Bar Rated • -10°C to +120°C • BSP Parallel M/F Ends • 5 Year Guarantee

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	67	67	64	71	71	80

Note: Standard, Medium, Low, Ultra Low and Ultra Ultra Low Flow versions available in 1/2"



ART 28

DZR Brass Variable Orifice Commissioning Valve

25 Bar Rated • -10°C to +120°C • BSP Parallel Ends • 5 Year Guarantee

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	78	80	87	108	115	124



ART 250

Ductile Iron Double Regulating Valve

16 Bar Rated • -10°C to +120°C • Flanged PN16 • C/W Ext & Test Points

	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
F	230	290	310	350	400	480	600	730	850



ART 270

Stainless Steel Metering Station

16 Bar Rated • -10°C to +120°C • Wafer Pattern • C/W Ext & Test Points

	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
F	20	20	20	20	20	20	20	20	20

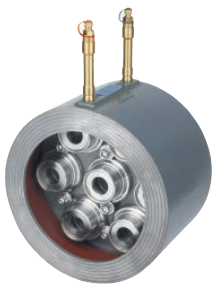


ART 29

DZR Automatic Flow Balancing Valve - constant flow regulator

25 Bar Rated • -10°C to +120°C • BSP Parallel Ends • 5 Year Guarantee

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	78	78	85	123	123	132



ART 229

Ductile Iron Automatic Flow Balancing Valve - constant flow regulator

16 Bar Rated • -20°C to +120°C • Wafer Pattern • 5 Year Guarantee

	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
F	170	170	170	170	170	170	170	170	170



ART 20/20C

DZR Pressure Independent Control Balancing Valve (PICV) 25 Bar Rated
 -10°C to +120°C • BSP Parallel Ends • ΔP range 14-400 kPa • 5 Year Guarantee
 Union Tail Pieces & Gaskets required (2 per valve for BSP male connection)

DN	10	15	20	25	32	40	50
F	53	65	82	104	128	144	155
Flow (l/s)	0.012-0.097	0.024-0.134	0.036-0.566	0.064-0.566	0.129-0.849	0.562-1.974	0.612-2.385
Available control actuator types Linear, Thermoelectric & Thermostatic. 24V & 230V 3 point control, 24V 0-10V modulating (C21V - Pg 22) DN 10-25 available in Low & High Flow variants							

Hydronic Balancing & Controls



NEW

ART 200

Cast Iron PN16 Flanged Pressure Independent Control & Balancing Valve (PICV)

16 Bar Rated • -10°C +0 +120°C • ΔP range 30-400 kPa • Universal actuator

DN	65	80	100	125	150
F	290	310	350	400	480
Flow (l/s)	0.556-9.722	0.694-13.889	0.833-20.833	1.944-29.167	2.778-38.89



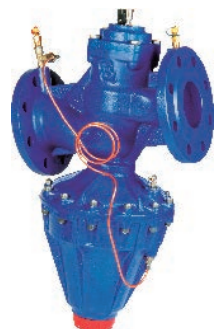
ART 24

DZR Differential Pressure Control Valve (DPCV)

16 Bar Rated • -10°C to +120°C • BSP Parallel Ends • Max ΔP 400 kPa
5 Year Guarantee

DN	15	20	25	32	40	50
F	96	97	103	128	144	155
Flow (l/s)	0.014-0.333	0.333-0.566	0.416-1.167	0.833-1.389	1.111-2.222	1.389-4.167
ΔP vers (kPa)	5-30,20-60	20-60	20-60	20-80	20-80	20-80

Matching Partner Valve ART 28DP, available in Low/High ΔP variants



ART 240

Cast Iron PN16 Flanged Differential Pressure Control Valve (DPCV)

16 Bar Rated • -10°C to +120°C • Max ΔP 400 kPa

DN	65	80	100	125	150
F	290	310	350	400	480
Flow (l/s)	0.278-20.83	0.333-27.78	0.416-41.67	0.833-47.22	1.111-63.89
ΔP vers (kPa)	20-160	20-160	20-160	20-80	20-80

Matching Partner Valve ART 250 (pg 20), Low/High ΔP variants

1 x capillary tube kit required code ADPC241KIT



NEW

ART 241

PN16 Flanged Differential Pressure Control Valve (DPCV)

16 Bar Rated • -10°C to +120°C • Max ΔP 400 kPa

DN	65	80	100	125	150
F	290	310	350	400	480
Flow (l/s)	0.278-20.83	0.333-27.78	0.416-41.67	0.833-47.22	1.111-63.89
ΔP vers (kPa)	20-160	20-160	20-160	20-80	20-80

DPCV performs flow measuring and isolation function so no additional partner valve required.

1 x capillary tube kit required code ADPC241KIT



ART 28DP

DZR Differential Pressure Control Partner Balancing Valve (VODRV)

25 Bar Rated • -10°C to +120°C • C/W Imp Tube Connection & Test Points
5 Year Guarantee

DN	15	20	25	32	40	50
F	77	80	87	108	115	124

Partner Valve for ART 24 both in Low/High ΔP variants

MONOLINK

DZR Terminal Unit connection system

25 Bar Rated • -10°C to +120°C • from 100mm centres • DN15, 20, 25, 32 & 40
 • Factory preassembled and tested • Flexible configuration 'H' piece • Flush & Chemical Cleaning in accordance with BSRIA/CIBSE guidance • 5 Year Guarantee



ART C21V (L) / C22V (L) / C23E (L)

Control actuator to fit PICV ART DN15-50

M30 x 1.5 Swivel knurled nut assembly • Manual Override • IP 54 rated

Art C21V (L)	24VAC 50Hz	3-Point Control
Art C22V (L)	230VAC 50Hz	3-Point Control
Art C23E (L)	24VAC 50Hz	Mod 0-10V Control



ART 20C UNION TAIL PCS

2 Piece Union & gasket to suit Art 20C valves DN10-25 • 2 required per Art 20C

DN10 - G 1/2" To pipe R3/8" BSPM	DN15 - G 3/4" To pipe R1/2" BSPM
DN20 - G 1" To pipe R3/4" BSPM	DN25 - G 1 1/4" To pipe R1" BSPM



ART 24IT1M, 24IT2M

Copper Impulse capillary tube for Differential Pressure Control Valves ART 24
 ART 24IT available in 1 or 2m length, G 1/8" Thread incl. 2 x ART 24VF



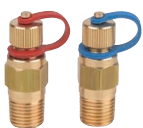
ART 24IT Kit

Copper Impulse capillary tube for Differential Pressure Control Valves
 Art 240 & Art 241
 1/4" MFF fitting, Binder Test Point & 4mm 2m length copper tube
 + compression fittings



LAGGING & ISOLATION BOXES

Available for ART 25, ART 28, MONOLINK etc



ART 299

Spare Test Point Set of two, one red tab, one blue tab

20 Bar Rated • -10°C to +120°C

ART 298

Spare Extensions • Stainless Steel • 20 Bar Rated • -10°C to +120°C

Hydronic Balancing & Controls

NEW



CRM

Brass 3port Rotary Mixing/Diverting Control Valve

10 Bar Rated • -15°C to +120°C • Internal Thread Rp in accordance with EN 10226-1 • DN15-50 fast CLIP system installation

DN	15	20	25	32	40	50
F	72	72	82	94	106	120
Kvs	3	7	11	15	25	40

CRV/CRE control actuator required

NEW



CRV/CRE

Control actuator to fit CRM 15-50 above

Max Torque 15Nm • IP44 • Manual Control with position indication on cover
DN15-50 fast CLIP system installation

CRV 230	230VAC 50Hz	3-Point	2 x Auxillary end switches
CRV 24	24VAC 50Hz	3-Point	2 x Auxillary end switches
CRE 24	24VAC 50Hz	Mod 0-10V	0-10V feedback signal

NEW



CRV/CRE Adaptor Kit

AK41 Actuator mounting kit for Esbe, Danfoss, Siemens & Honeywell Valves
AK21 ISO Mounting kit for ball valves 1/2" - 2"
Adaptor kits for alternative manufacturers available

NEW



CRZ2

Brass 2 port ON-OFF Zone Control Valve

32 Bar Rated • 2°C to +120°C • Max ΔP=6bar • DN15-32 WRAS approved

DN	15	20	25	32	40	50
F	62	68	81	86	102	122
Kvs	20	45	60	100	170	265

CR12 control actuator required

NEW



CR12

Control actuator to fit CRZ2 15-50

ON-OFF Control • 230V/24V option • Max Torque 5-15Nm • IP44
Manual Control with position indication on cover • Rotation Time 12s/90° CRZ2 < DN32, 32s/90° DN 40-50 • Auxillary End switch optional • DN15-32 Fast CLIP system installation

NEW



CRZ3

Brass 3 port ON-OFF Zone Control Valve

32 Bar Rated • 2°C to +120°C • Max $\Delta P=6\text{bar}$ • Fast CLIP system installation

DN	20	25	32
F	68	81	86
Kvs	9.6	11.3	25

CR13 control actuator required

NEW



CR13

Control actuator to fit CRZ3 20-32

ON-OFF Control • 230V/24V option • Max Torque 5Nm • Fast CLIP system installation Manual Control with position indication on cover • Rotation Time 20s/90° • IP44 Auxillary End switch optional

NEW



ART 642

Gunmetal Safety Valve

16 Bar Rated • -50°C to +195°C • EPDM Diaphragm

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
F	35	42	45	47	58	68	80

NEW



ART 645

Gunmetal High Discharge Safety Valve

16 Bar Rated • -50°C to +195°C • EPDM Diaphragm

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	36	43	47	58	68	80

NEW



ART 681

Gunmetal Pressure Reducing Valve BSP Taper M/M Ends

40 Bar Rated • -10°C to + 95°C • Outlet Pressure 1 to 8 Bar (Pre-set 3 Bar)
 Union Tail Pcs included • Optional Pressure Gauge • WRAS Approved
 • PED 2014/68/EU • BS EN 1567:1999 approved

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	80	90	100	105	130	140

Note: Dimensions do not include tail pieces

NEW



ART 682

Gunmetal Pressure Reducing Valve BSP Parallel F/F Ends

40 Bar Rated • -10°C to + 95°C • Outlet Pressure 1 to 8 Bar (Pre-set 3 Bar)
 Optional Pressure Gauge • WRAS Approved • PED 2014/68/EU
 • BS EN 1567:1999 approved

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	85	95	105	120	130	150



BVI 13 ABS

ABS Industrial Double Union Ball Valve Solvent Weld Ends

15 Bar Rated ($\frac{3}{8}$ " to 2") • 9 Bar Rated (2½" to 4")
-20°C to +80°C • EPDM Seals

	¾"	1"	1½"	2"	2½"	3"	4"			
F	98	102	120	128	147	163	197	214	241	281



BVI 33 ABS

ABS Industrial Double Union Ball Valve Solvent Weld Ends

15 Bar Rated ($\frac{3}{8}$ " to 2") • 9 Bar Rated (2½" to 4")
-20°C to +80°C • FPM (Viton) Seals

	¾"	1"	1½"	2"	2½"	3"	4"			
F	98	102	120	128	147	163	197	214	241	281



1530A

ABS Industrial Double Union Ball Valve Solvent Weld Ends

15 Bar Rated ($\frac{3}{8}$ " to 2") • 9 Bar Rated (2½" to 4")
-20°C to +80°C • EPDM Seals

	¾"	1"	1½"	2"	2½"	3"	4"			
F	78	78	90	104	120	140	169	227	242	282



1530P (BVI 13 PVC)

PVC Industrial Double Union Ball Valve Solvent Weld Ends

16 Bar Rated ($\frac{3}{8}$ " to 2") • 10 Bar Rated (2½" to 4")
0°C to +60°C • EPDM Seals

	¾"	1"	1½"	2"	2½"	3"	4"			
F	98	102	120	128	147	163	197	214	241	281



1533P (BVI 33 PVC)

PVC Industrial Double Union Ball Valve Solvent Weld Ends

16 Bar Rated ($\frac{3}{8}$ " to 2") • 10 Bar Rated (2½" to 4")
0°C to +60°C • FPM (Viton) Seals

	¾"	1"	1½"	2"	2½"	3"	4"			
F	98	102	120	128	147	163	197	214	241	281



1513P (BVD 13)

PVC Double Union Ball Valves Solvent Weld Ends

16 Bar Rated (3/8" to 2") • 10 Bar Rated (2 1/2" to 4")
0°C to +60°C • EPDM Seals

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	78	78	90	104	120	140	169	227	242	282



1511P (BVD 11)

PVC Double Union Ball Valves BSP Parallel End

10 Bar Rated • 0°C to +60°C • EPDM Seals

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	76	80	91	102	120	140	169	214	241	281



1523P (BVS 13)

PVC Single Union Ball Valves Solvent Weld Ends

10 Bar Rated • 0°C to +60°C • EPDM Seals

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	72	76	90	102	118	127	168	210	235	275



1543P (BVS 11)

PVC Single Union Ball Valves BSP Parallel Ends

10 Bar Rated • 0°C to +60°C • EPDM Seals

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	72	76	90	102	118	127	168	210	235	275



1613A (CVD 13 ABS)

ABS Double Union Spring Check Valves Solvent Weld Ends

15 Bar Rated • 0°C to +60°C • EPDM Seals

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	80	91	102	120	140	169



1613P (CVD 13 PVC)

PVC Double Union Spring Check Valves Solvent Weld Ends
16 Bar Rated • 0°C to +60°C • EPDM Seals

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	80	91	102	120	140	169



1813P (BVL 13)

PVC 3 Way Ball Valves 'L' Port Solvent Weld End
10 Bar Rated • 0°C to +60°C • EPDM Seals

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	112	112	123	147	169	209	230



1830P (BVT 13)

PVC Industrial Double Union Ball Valve Solvent Weld Ends
10 Bar Rated • 0°C to +60°C • EPDM Seals

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	112	112	123	147	169	209	230



1811P (BVL 11)

PVC 3 Way Ball Valves 'L' Port BSP Parallel Ends
10 Bar Rated • 0°C to +60°C • EPDM Seals

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	112	112	123	147	169	209	230



1843P (BVT 11)

PVC 3 Way Ball Valves 'T' Port BSP Parallel Ends
10 Bar Rated • 0°C to +60°C • EPDM Seals

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	112	112	123	147	169	209	230



1650P (CVW 50)

PVC Wafer Plate Check Valves

10 Bar Rated • 0°C to +60°C • EPDM Seals

	1¼"	1½"	2"	2½"	3"	4"	5"	6"	8"	10"	12"
F	15	16	20	20	20	22	22	26	35	40	45



1713P (DVD 13)

PVC Diaphragm Valve Double Union Solvent Weld Ends

10 Bar Rated • 0°C to +60°C • EPDM Diaphragm

	⅜"	½"	¾"	1"	1¼"	1½"	2"
F	156	156	168	184	205	228	245



1733P (DVD 33)

PVC Diaphragm Valve Double Union Solvent Weld Ends

10 Bar Rated • 0°C to +60°C • FPM (Viton) Diaphragm

	⅜"	½"	¾"	1"	1¼"	1½"	2"
F	156	156	168	184	205	228	245



1950P (BFY 50)

PVC Wafer Butterfly Valve

10 Bar Rated (2" to 5") 6 Bar Rated (6" to 10") • 0°C to +60°C • EPDM Seals

	2"	2½"	3"	4"	5"	6"	8"	10"
F	44	53	53	53	67	67	75	109



1953P (BFY 53)

PVC Wafer Butterfly Valve

10 Bar Rated (2" to 5") 6 Bar Rated (6" to 10") • 0°C to +60°C • FPM (Viton) Seals

	2"	2½"	3"	4"	5"	6"	8"	10"
F	44	53	53	53	67	67	75	109



ART 510

Ductile Iron Weir Type Diaphragm Valve. Unlined Screwed BSP Taper F/F Ends
 -10°C to +90°C • GGG40 body • RHI GG25 Bonnet • Nitrile Rubber Diaphragm

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
F	64	83	108	121	140	165	203	254



ART 520

Cast Iron Weir Type Diaphragm Valve. Unlined Flanged PN10
 -10°C to +80°C • GG25 body • RHI GG25 Bonnet • Nat. Rubber Diaphragm

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
F	108	117	127	146	159	190	216	254	305	356	406
	8"	10"	12"	14"							
F	521	635	749	749							



ART 530

Cast Iron Weir Type Diaphragm Valve. Unlined Flanged ASA 150
 -10°C to +80°C • GG25 body • RHI GG25 Bonnet • Nat. Rubber Diaphragm

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
F	108	117	127	146	159	190	216	254	305	356	406
	8"	10"	12"	14"							
F	521	635	749	749							



ART 525

Cast Iron Weir Type Diaphragm Valve. Hard Rubber Lined Flanged PN10
 -10°C to +80°C • GG25 body • RHI GG25 Bonnet • Nat. Rubber Diaphragm

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
F	114	123	133	152	165	196	222	260	313	364	414
	8"	10"	12"	14"							
F	529	645	759	759							



ART 535

Cast Iron Weir Type Diaphragm Valve. Hard Rubber Lined Flanged ASA 150
 -10°C to +80°C • GG25 body • RHI GG25 Bonnet • Nat. Rubber Diaphragm

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
F	114	123	133	152	165	196	222	260	313	364	414
	8"	10"	12"	14"							
F	529	645	759	759							

Diaphragm Valves



ART 550

Cast Iron Straight Through Type Diaphragm Valve. Unlined Flanged PN10
 -10°C to +80°C • GG25 body • RHI GG25 Bonnet • Nat. Rubber Diaphragm

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
F 108	117	127	146	159	190	216	254	305	356	406	
	8"	10"	12"								
F 521	635	749									



ART 560

Cast Iron Straight Through Type Diaphragm Valve. Unlined Flanged ASA 150
 -10°C to +80°C • GG25 body • RHI GG25 Bonnet • Nat. Rubber Diaphragm

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
F 108	117	127	146	159	190	216	254	305	356	406	
	8"	10"	12"								
F 521	635	749									



ART 555

Cast Iron Straight Through Type Diaphragm Valve. Hard Rubber Lined Flanged PN 10
 -10°C to +80°C • GG25 body • RHI GG25 Bonnet • Nat. Rubber Diaphragm

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
F 108	117	127	146	159	190	216	254	305	356	406	
	8"	10"	12"								
F 521	635	749									



ART 565

Cast Iron Straight Through Type Diaphragm Valve. Hard Rubber Lined Flanged ASA 150
 -10°C to +80°C • GG25 body • RHI GG25 Bonnet • Nat. Rubber Diaphragm

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
F 108	117	127	146	159	190	216	254	305	356	406	
	8"	10"	12"								
F 521	635	749									

Weir Type Spare diaphragms available in:

Natural Rubber Grade A, **EPDM** Grade EP, **Nitrile** Grade R, **Neoprene** Grade N, **Butyl** Grade B, **Hypalon** Grade H, **Viton** Grade V, **PTFE/Neoprene** Grade T.

Straight Through Type Spare diaphragms available in:

Natural Rubber Grade A, **EPDM** Grade EP, **Nitrile** Grade R, **Neoprene** Grade N, **Butyl** Grade B, **Hypalon** Grade H



SLP N/C (EPDM)

Brass Solenoid Valve Pilot Operated 2/2 way Normally Closed

Body Brass • EPDM Diaphragm • Voltage 24V ac/dc, 110v ac, 230v ac, 12v dc
• 0°C to +120°C

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	66	66	75	96	131	131	165



SLP N/O (EPDM)

Brass Solenoid Valve Pilot Operated 2/2 way Normally Open

Body Brass • EPDM Diaphragm • Voltage 24V ac/dc, 110v ac, 230v ac, 12v dc
0°C to +120°C

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	66	66	75	96	131	131	165



SLP N/C (NBR)

Brass Solenoid Valve Pilot Operated 2/2 way Normally Closed

Body Brass • NBR Diaphragm • Voltage 24V ac/dc, 110v ac, 230v ac, 12v dc
• 0°C to +80°C

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	66	66	75	96	131	131	165



SLP N/O (NBR)

Brass Solenoid Valve Pilot Operated 2/2 way Normally Open

Body Brass • NBR Diaphragm • Voltage 24V ac/dc, 110v ac, 230v ac, 12v dc
• 0°C to +120°C

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	66	66	75	96	131	131	165



ZS N/C (EPDM)

Brass Solenoid Valve Servo-activated 2/2 way Normally Closed

Body Brass • EPDM Diaphragm • Voltage 24V ac/dc, 110v ac, 230v ac, 12v dc
• 0°C to +120°C

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	50	50	50	73	99	112	123	168

Solenoid Valves



ZS N/O (EPDM)

Brass Solenoid Valve Servo-activated 2/2 way Normally Open

Body Brass • EPDM Diaphragm • Voltage 24V ac/dc, 110v ac, 230v ac, 12v dc
0°C to +120°C

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	69	69	73	99	112	123	168



ZS N/C (NBR)

Brass Solenoid Valve Servo-activated 2/2 way Normally Closed

Body Brass • NBR Diaphragm • Voltage 24V ac/dc, 110v ac, 230v ac, 12v dc
0°C to +80°C

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	50	50	50	73	99	112	123	168



ZS N/O (NBR)

Brass Solenoid Valve Servo-activated 2/2 way Normally Open

Body Brass • NBR Diaphragm • Voltage 24V ac/dc, 110v ac, 230v ac, 12v dc
0°C to +80°C

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	69	69	73	99	112	123	168



ZS N/C (FPM)

Brass Solenoid Valve Servo-activated 2/2 way Normally Closed

Body Brass • FPM Diaphragm • Voltage 24V ac/dc, 110v ac, 230v ac, 12v dc
0°C to +120°C

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	50	50	50	73	99	112	123	168



ZS N/O (FPM)

Brass Solenoid Valve Servo-activated 2/2 way Normally Open

Body Brass • FPM Diaphragm • Voltage 24V ac/dc, 110v ac, 230v ac, 12v dc
0°C to +120°C

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	69	69	73	99	112	123	168



ZS N/C (EPDM)

Stainless Solenoid Valve Servo-activated 2/2 way Normally Closed

Body Stainless • EPDM Diaphragm • Voltage 24V ac/dc, 110v ac, 230v ac, 12v dc
0°C to +120°C

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	69	69	73	99	112	123	168



ZS N/O (EPDM)

Stainless Solenoid Valve Servo-activated 2/2 way Normally Open

Body Stainless • EPDM Diaphragm • Voltage 24V ac/dc, 110v ac, 230v ac, 12v dc
0°C to +120°C

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	69	69	73	99	112	123	168



ZS N/C (NBR)

Stainless Solenoid Valve Servo-activated 2/2 way Normally Closed

Body Stainless • NBR Diaphragm • Voltage 24V ac/dc, 110v ac, 230v ac, 12v dc
0°C to +80°C

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	69	69	73	99	112	123	168



ZS N/O (NBR)

Stainless Solenoid Valve Servo-activated 2/2 way Normally Open

Body Stainless • NBR Diaphragm • Voltage 24V ac/dc, 110v ac, 230v ac, 12v dc
0°C to +80°C

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	69	69	73	99	112	123	168



ZS N/C (FPM)

Stainless Solenoid Valve Servo-activated 2/2 way Normally Closed

Body Stainless • FPM Diaphragm • Voltage 24V ac/dc, 110v ac, 230v ac, 12v dc
0°C to +120°C

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	69	69	73	99	112	123	168



ZS N/O (FPM)

Stainless Solenoid Valve Servo-activated 2/2 way Normally Open

Body Stainless • FPM Diaphragm • Voltage 24V ac/dc, 110v ac, 230v ac, 12v dc
0°C to +120°C

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	69	69	73	99	112	123	168



THP N/C (PTFE)

Brass Solenoid Valve Pilot Operated 2/2 way Normally Closed

Body Brass • PTFE Diaphragm • Voltage 24V ac/dc, 110v ac, 230v ac, 12v dc
0°C to +165°C

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	75	75	85	100	120	120	150



Namur

Universal Direct Mount Namur Solenoid

Life Cycle 12,000,000 Operations • 5/2 - 3/2 Interchangeable
Voltage 110v ac, 230v ac, 24v ac/dc • IP65 • Manual Over-ride Control
-20°C to +60°C



PUT Timer

Range 0.5 to 10 Seconds On, 30 Seconds to 45 Mins Off
LED Light to indicate timing

78 x 43 x 31



ART 55 PRS

PN16 DZR Brass Ball Valve

Full Bore • 16 Bar Rated • -20°C to +140°C • Universal M + V Press 15mm to 35mm • Dedicated M + V Profiles 42mm and 54mm • Thermal extension available on request

	15mm	22mm	28mm	35mm	42mm	54mm
F	78	90.5	99	107	132.5	154.5



ART 25 PRS

DZR Brass Fixed Orifice Commissioning Valve

16 Bar Rated • -10°C to +120°C • 'M' Press Ends • EPDM Seat

	15mm	22mm	28mm	35mm	42mm	54mm
F	144	165	185	216	247.5	295



ART 26 PRS

DZR Brass Double Regulating Valve

16 Bar Rated • -10°C to +120°C • 'M' Press Ends • EPDM Seat

	15mm	18mm	22mm	28mm	35mm	42mm	54mm
F	152	162	170	186	202	219	263



ART 194 PRS

PN16 Brass Swing Check Valve

16 Bar Rated • -10°C to +140°C • 'M' Press Ends • EPDM Seat

	15mm	22mm	28mm	35mm	42mm	54mm
F	111	130	142	156	172	208



ART 198 PRS

PN16 Brass 'Y' Type Strainer

16 Bar Rated • -10°C to +140°C • 'M' Press Ends • EPDM Seat

	15mm	22mm	28mm	35mm	42mm	54mm
F	118	136	148	164	185	227

Flexible Connectors



ART 400/410

PN16 Screwed Flexible Connector BS21

Screwed BSP Taper • 16 Bar Rated
-20°C to +100°C EPDM • -20°C to +80°C NBR

1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
F 200	200	200	200	200	200	245	245



ART 420/430

PN16 Flanged Flexible Connector BS4504

16 Bar Rated • -20°C to +100°C EPDM • -20°C to +80°C NBR

1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
F 130	130	130	130	130	130	130	130	130	130	130



ART 425/435

PN10 Flanged Flexible Connector BS4504

10 Bar Rated • -20°C to +100°C EPDM • -20°C to +80°C NBR

8"	10"	12"
F 130	130	130



ART 427

PN6 Flanged Flexible Connector

6 Bar Rated • -20°C to +100°C EPDM

1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
F 130	130	130	130	130	130	130	130	130	130	130



ART 450/460

PN16 Tied Flanged Flexible Connector BS4504

16 Bar Rated • -20°C to +100°C EPDM • -20°C to +80°C NBR

1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
F 130	130	130	130	130	130	130	130	130	130	130



ART 455/465

PN10 Tied Flanged Flexible Connector BS4504

10 Bar Rated • -20°C to +100°C EPDM • -20°C to +80°C NBR

8"	10"	12"
F 130	130	130



ART 1560

Straight Thermostatic Valve with operating plastic cap

Screwed BSP Parallel M/F • Auto Seal Tail Piece • Fits all sensor options
Suitable for use with all radiators • BSP to copper adaptor available

	1/2"	3/4"
F	81	93.5

Suitable for use with all Thermostatic Head and sensor options.



ART 1560 PS

Straight Thermostatic Valve with Pre-setting & operating plastic cap

Screwed BSP Parallel M/F • Auto Seal Tail Piece • Fits all sensor options
Suitable for use with all radiators • BSP to copper adaptor available

	1/2"	3/4"
F	81	93.5

Suitable for use with all Thermostatic Head and sensor options.



ART 1561

Angle Thermostatic Valve with operating plastic cap

Screwed BSP Parallel M/F • Auto Seal Tail Piece • Fits all sensor options
Suitable for use with all radiators • BSP to copper adaptor available

	1/2"	3/4"
F	58.5	68.5

Suitable for use with all Thermostatic Head and sensor options.



ART 1561 PS

Angle Thermostatic Valve with Pre-setting & operating plastic cap

Screwed BSP Parallel M/F • Auto Seal Tail Piece • Fits all sensor options
Suitable for use with all radiators • BSP to copper adaptor available

	1/2"	3/4"
F	58.5	68.5

Suitable for use with all Thermostatic Head and sensor options.



ART 1564

Reverse Angle Thermostatic Valve with operating plastic cap

Screwed BSP Parallel M/F • Auto Seal Tail Piece • Fits all sensor options
Suitable for use with all radiators • BSP to copper adaptor available

	1/2"
F	53.5

Suitable for use with all Thermostatic Head and sensor options.



ART 1553

Angle Lockshield Radiator Valve

Screwed BSP Parallel M/F • Auto Seal Tail Piece

Suitable for use with all radiators • BSP to Copper Adaptor available on request

1/2"	3/4"
F 58.5	68.5



ART 1551

Straight Lockshield Radiator Valve

Screwed BSP Parallel M/F • Auto Seal Tail Piece

Suitable for use with all radiators • BSP to Copper Adaptor available on request

1/2"	3/4"
F 81	93.5



ART 1597

Thermostatic Head

Lockable Head • Liquid Sensor • Frost Setting 6°C

Conforms to EN215 • M30 x 1.5 Standard Connection

76.5 x 51



ART 1594

Manual Head

Suitable for all Albion TRV valve bodies • ABS • RAL 9010



ART 1504

BSP to Copper Adaptor for radiator valves



ART 1598

Remote Adjuster with frost protection

2, 5 & 10m Capillary options • Lockable & Tamperproof • Liquid Sensor
Frost Setting 6°C • M30 x 1.5 connections

Head 90 x 49, Valve connector 39 x 33



ART 1599

Thermostatic Head with Remote Sensor

2m Capillary • Lockable set-point • Liquid Sensor • Frost Setting 6°C
Conforms to EN 215 • M30 x 1.5 connection

Head 77-82 x 49, Remote Sensor 96 x 35



ART 1567

Angle Radiator Valve Pack

Pack contains ART 1597, ART 1567 & ART 1553
ART 1567 & ART 1561 directly interchangeable

1/2"
F 58.5

NEW



ART 823NC ART 823NO

Thermo-electric actuator 110-230ac

NC-Normally Closed • NO-Normally Open • 4mm stroke • 2mm cable
M30 x 1.5 • Suitable for all 1/2" & 3/4" 1560/1561 Radiator Valves

NC 52 x 42 NO 69 x 45

NEW



ART 824NC ART 824NO

Thermo-electric actuator 24Vac

NC-Normally Closed • NO-Normally Open • 4mm stroke • 2mm cable
M30 x 1.5 • Suitable for all 1/2" & 3/4" 1560/1561 Radiator Valves

NC 52 x 42 NO 69 x 45



1530P-EL (BVI 13 PVC)

PVC Industrial Ball Valve Solvent Weld Ends

C/W Electric Actuator • 110v ac, 240v ac, 24v ac, 24v dc • EPDM Seals

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	98	102	120	128	147	163	197	214	241	281

Other Voltages available on request.



1530P-DA (BVI 13 PVC)

PVC Industrial Ball Valve Solvent Weld Ends

C/W Double Acting Pneumatic Actuator • EPDM Seals

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	98	102	120	128	147	163	197	214	241	281



1530P-SR (BVI 13 PVC)

PVC Industrial Ball Valve Solvent Weld Ends

C/W Spring Return Pneumatic Actuator • EPDM Seals

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2"	3"	4"
F	98	102	120	128	147	163	197	214	241	281



1530A-EL (BVI 13 ABS)

ABS Industrial Ball Valve Solvent Weld Ends

C/W Electric Actuator • 110v ac, 240v ac, 24v ac, 24v dc • EPDM Seals

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	98	102	120	128	147	163	197	214	241	281

Other Voltages available on request.



1530A-DA (BVI 13 ABS)

ABS Industrial Ball Valve Solvent Weld Ends

C/W Double Acting Pneumatic Actuator • EPDM Seals

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	98	102	120	128	147	163	197	214	241	281



1530A-SR (BVI 13 ABS)

ABS Industrial Ball Valve Solvent Weld Ends
C/W Spring Return Pneumatic Actuator • EPDM Seals

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	98	102	120	128	147	163	197	214	241	281



1950P-EL (BFY 50)

PVC Butterfly Valve Wafer Type
C/W Electric Actuator • 110v ac, 240v ac, 24v ac, 24v dc • EPDM Seals

	2"	2 1/2"	3"	4"	5"	6"	8"	10"
F	43	55	55.5	53.5	63	71	78	92

Other Voltages available on request.



1950P-DA (BFY 50)

PVC Butterfly Valve Wafer Type
C/W Double Acting Pneumatic Actuator • EPDM Seals

	2"	2 1/2"	3"	4"	5"	6"	8"	10"
F	43	55	55.5	53.5	63	71	78	92



1950P-SR (BFY 50)

PVC Butterfly Valve Wafer Type
C/W Spring Return Pneumatic Actuator • EPDM Seals

	2"	2 1/2"	3"	4"	5"	6"	8"	10"
F	43	55	55.5	53.5	63	71	78	92



1813/30P-EL (BVL 13/BVT 13)

PVC 3 Way L & T Port Valves Solvent Weld Ends
C/W Electric Actuator • 110v ac, 240v ac, 24v ac, 24v dc • EPDM Seals

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	112	112	123	147	169	209	230

Other Voltages available on request.



1813/30P-DA (BVL 13/BVT 13)

PVC 3 Way L & T Port Valves Solvent Weld Ends
C/W Double Acting Pneumatic Actuator • EPDM Seals

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	112	112	123	147	169	209	230



1813/30P-SR (BVL 13/BVT 13)

PVC 3 Way L & T Port Valves Solvent Weld Ends
C/W Spring Return Pneumatic Actuator • EPDM Seals

	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	112	112	123	147	169	209	230



ART 160 EL

Brass Ball Valve BSP Parallel F/F Ends
C/W Electric Actuator • 110v ac, 240v ac, 24v ac, 24v dc

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
F	65	65	65	75	86	95	101	120	165	188

Other Voltages available on request.



ART 160 DA

Brass Ball Valve BSP Parallel F/F Ends
C/W Double Acting Pneumatic Actuator

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
F	65	65	65	75	86	95	101	120	165	188



ART 160 SR

Brass Ball Valve BSP Parallel F/F Ends
C/W Spring Return Pneumatic Actuator

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
F	65	65	65	75	86	95	101	120	165	188



ART 993 EL

3 Piece Stainless Steel Ball Valve BSP Taper Ends
C/W Electric Actuator • 110v ac, 240v ac, 24v ac, 24v dc

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	70	80	90	105	120	140

Other Voltages available on request.



ART 993 DA

3 Piece Stainless Steel Ball Valve BSP Taper Ends
C/W Double Acting Pneumatic Actuator

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	70	80	90	105	120	140



ART 993 SR

3 Piece Stainless Steel Ball Valve BSP Taper Ends
C/W Spring Return Pneumatic Actuator

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	70	80	90	105	120	140



ART 88/87 EL

Brass L +T Port BSP Parallel F/F Ends
C/W Electric Actuator • 110v ac, 240v ac, 24v ac, 24v dc

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	65	65	78	87	105	118	134	161

Other Voltages available on request.



ART 88/87 DA

Brass L +T Port BSP Parallel F/F Ends
C/W Double Acting Pneumatic Actuator

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	65	65	78	87	105	118	134	161



ART 88/87 SR

Brass L +T Port BSP Parallel F/F Ends
C/W Spring Return Pneumatic Actuator

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	65	65	78	87	105	118	134	161



ART 988/987 EL

Stainless Steel L & T Port BSP Taper F/F Ends
C/W Electric Actuator • 110v ac, 240v ac, 24v ac, 24v dc

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	70	70	75	86	101	115	125	149

Other Voltages available on request.



ART 988/987 DA

Stainless Steel L & T Port BSP Taper F/F Ends
C/W Double Acting Pneumatic Actuator

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	70	70	75	86	101	115	125	149



ART 988/987 SR

Stainless Steel L & T Port BSP Taper F/F Ends
C/W Spring Return Pneumatic Actuator

	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F	70	70	75	86	101	115	125	149



ART 928 EL

Stainless Steel ANSI 150 Flanged Ball Valve
C/W Electric Actuator • 110v ac, 240v ac, 24v ac, 24v dc

	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"
F	108	117	127	165	178	191	203	229

Other Voltages available on request.



ART 928 DA

Stainless Steel ANSI 150 Flanged Ball Valve
C/W Double Acting Pneumatic Actuator

	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"
F	108	117	127	165	178	191	203	229



ART 928 SR

Stainless Steel ANSI 150 Flanged Ball Valve
C/W Spring Return Pneumatic Actuator

	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"
F	108	117	127	165	178	191	203	229

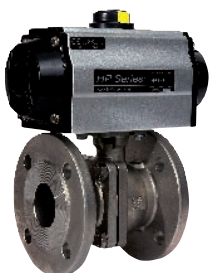


ART 926 EL

Stainless Steel Flanged PN16 Ball Valve
C/W Electric Actuator • 110v ac, 240v ac, 24v ac, 24v dc

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	115	120	125	130	140	150	170	180	190

Other Voltages available on request.



ART 926 DA

Stainless Steel Flanged PN16 Ball Valve
C/W Double Acting Pneumatic Actuator

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	115	120	125	130	140	150	170	180	190



ART 926 SR

Stainless Steel Flanged PN16 Ball Valve
C/W Spring Return Pneumatic Actuator

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	115	120	125	130	140	150	170	180	190



ART 77 EL

Cast Iron PN 16 Flanged Ball Valve

C/W Electric Actuator • 110v ac, 240v ac, 24v ac, 24v dc

	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
F 120	125	130	140	150	170	180	190	200	210	

Other Voltages available on request.



ART 77 DA

Cast Iron PN 16 Flanged Ball Valve

C/W Double Acting Pneumatic Actuator

	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
F 120	125	130	140	150	170	180	190	200	210	



ART 77 SR

Cast Iron PN 16 Flanged Ball Valve

C/W Spring Return Pneumatic Actuator

	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
F 120	125	130	140	150	170	180	190	200	210	



ART 115 EL

Ductile Iron Wafer Butterfly Valve

C/W Electric Actuator • 110v ac, 240v ac, 24v ac, 24v dc
Stainless Steel Disc • EPDM Liner

	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
F 43	46	46	52	56	56	60	68	78	

Other Voltages available on request.



ART 115 DA

Ductile Iron Wafer Butterfly Valve

C/W Double Acting Pneumatic Actuator • Stainless Steel Disc • EPDM Liner

	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
F 43	46	46	52	56	56	60	68	78	



ART 115 SR

Ductile Iron Wafer Butterfly Valve

C/W Spring Return Pneumatic Actuator • Stainless Steel Disc • EPDM Liner

	2"	2½"	3"	4"	5"	6"	8"	10"	12"
F	43	46	46	52	56	56	60	68	7



ART 145 EL

Ductile Iron Wafer Butterfly Valve

C/W Electric Actuator • 110v ac, 240v ac, 24v ac, 24v dc
DI Zinc Plated Disc • NBR Liner

	2"	2½"	3"	4"	5"	6"	8"	10"	12"
F	43	46	46	52	56	56	60	68	78

Other Voltages available on request.



ART 145 DA

Ductile Iron Wafer Butterfly Valve

C/W Double Acting Pneumatic Actuator • DI Zinc Plated Disc • NBR Liner

	2"	2½"	3"	4"	5"	6"	8"	10"	12"
F	43	46	46	52	56	56	60	68	78



ART 145 SR

Ductile Iron Wafer Butterfly Valve

C/W Spring Return Pneumatic Actuator • DI Zinc Plated Disc • NBR Liner

	2"	2½"	3"	4"	5"	6"	8"	10"	12"
F	43	46	46	52	56	56	60	68	78



ART 135 EL

Ductile Iron Lugged and Tapped Butterfly Valve

C/W Electric Actuator • 110v ac, 240v ac, 24v ac, 24v dc
Stainless Steel Disc • EPDM Liner

	2"	2½"	3"	4"	5"	6"	8"	10"	12"
F	43	46	46	52	56	56	60	68	78

Other Voltages available on request.



ART 135 DA

Ductile Iron Lugged and Tapped Butterfly Valve
 C/W Double Acting Pneumatic Actuator • Stainless Steel Disc • EPDM Liner

	2"	2½"	3"	4"	5"	6"	8"	10"	12"
F	43	46	46	52	56	56	60	68	78



ART 135 SR

Ductile Iron Lugged and Tapped Butterfly Valve
 C/W Spring Return Pneumatic Actuator • Stainless Steel Disc • EPDM Liner

	2"	2½"	3"	4"	5"	6"	8"	10"	12"
F	43	46	46	52	56	56	60	68	78



ART SB

Switch Box
 C/W 2 x V3 Micro Switches



Namur

Universal Direct Mount Namur Solenoid
 Life Cycle 12,000,000 Operations • 5/2 - 3/2 Interchangeable
 Voltage 110v ac, 230v ac, 24v ac/dc • IP65 • Manual Over-ride Control
 -20°C to +60°C



Z011A

Cast Iron Wafer Butterfly Valve

GG25 Body • 316 SS Disc • Lever Op • Black EPDM/NBR Liner

	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
F		33			43	46	46	52	56	56	60	68	78

Gearbox Available

To suit PN10, PN16 and ANSI 150 Flanges



Z014A

Cast Iron Lugged Butterfly Valve PN16 Flanged

GG40 Body • Lever Op • 2"-6" 316 SS Disc
8"-12" Plated Steel Disc EPDM/NBR Liner

	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
F	43	46	46	52	56	56	60	68	78

Gearbox Available



T214

Cast Iron Lugged Wafer Butterfly Valve PN16 Flanged

GG40 Body • Liner PTFE • Disc Coated PTFE • Lever Op

	2"	2 1/2"	3"	4"	5"	6"	8"
F	43	46	46	52	56	56	60



T211

Cast Iron Wafer Butterfly Valve

GG40 Body • Liner PTFE • Disc Coated PTFE • Lever Op

	2"	2 1/2"	3"	4"	5"	6"	8"
F	43	46	46	52	56	56	60



QV

Aluminium Flanged Pinch Valve

Aluminium Body • Natural Rubber Liner • Other Liners on Application

	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"
F	156	167	182	226	282	350	420	559



ART 990

Cast Iron Knife Gate Valve Uni Directional (Bi Directional available on enquiry). Handwheel operated. To suit PN10 flanges (other flange requirement available on request)

10 Bar Rated 2" - 10" • 6 Bar Rated 12" - 16" • GG25 Cast Iron Body • 304SS Blade • Metal/EPDM Seat

	2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"
F	40	40	50	50	50	60	60	70	70	96	100

(16 Bar Pressure, other body and seat materials and alternative operators available on request)



ART 990 DA

Cast Iron Knife Gate Valve Uni Directional (Bi Directional available on enquiry). Double acting pneumatic actuator. To suit PN10 flanges (other flange requirements available on request)

10 Bar Rated 2" - 10" • 6 Bar Rated 12" - 16" • GG25 Cast Iron Body • 304SS Blade • Metal/EPDM Seat

	2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"
F	40	40	50	50	50	60	60	70	70	96	100

(16 Bar Pressure, other body and seat materials and alternative operators available on request)



ART 991

Stainless Steel Knife Gate Valve Uni Directional (Bi Directional available on enquiry). Handwheel operated. To suit PN10 flanges (other flange requirements available on request)

10 Bar Rated 2" - 10" • 6 Bar Rated 12" - 16" • CF8M Stainless Steel Body 316SS Blade • Metal/EPDM Seat

	2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"
F	40	40	50	50	50	60	60	70	70	96	100

(16 Bar Pressure, other body and seat materials and alternative operators available on request)



ART 991 DA

Stainless Steel Knife Gate Valve Uni Directional (Bi Directional available on enquiry) Double acting pneumatic actuator. To suit PN10 flanges (other flange requirements available on request)

10 Bar Rated 2" - 10" • 6 Bar Rated 12" - 16" • CF8M Stainless Steel Body 316SS Blade • Metal/EPDM Seat

	2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"
F	40	40	50	50	50	60	60	70	70	96	100

(16 Bar Pressure, other body and seat materials and alternative operators available on request)

Through Conduct and Square fabricated units are also available on enquiry.



L1S

Clorius Gun Metal 2 Way Control Valve
16 Bar Rated • BSP Ends • Single Seat

1/2"/6mm	1/2"/9mm	1/2"/12mm	1/2"	3/4"	1"
F 75	75	75	75	87	99



L2S

Clorius Gun Metal 2 Way Control Valve
16 Bar Rated • BSP Ends • Double Seat

3/4"	1"	1 1/4"	1 1/2"	2"
F 90	100	113	129	153



L3S

Clorius Gun Metal 3 Port Control Valve
10 Bar Rated • BSP End

1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F 110	110	140	140	185	185



M1F

Clorius Cast Iron Flanged Control Valve
16 Bar Rated • Flanged PN16

1/2"/4mm	1/2"/6mm	1/2"/9mm	1/2"/12mm	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
F 130	130	130	130	130	150	160	180	200	230

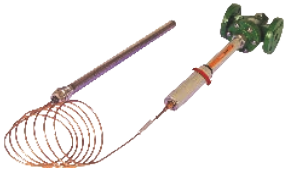


M3F

Clorius Cast Iron 3 Port Control Valve
16 Bar Rated • 1" - 2 1/2" • 10 Bar Rated 3" - 6" • Flanged PN16

3"	4"	5"	6"
F 310	350	400	480

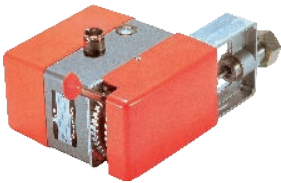
Thermostat



Clorius 3m Copper Capillary Rod Sensor

Various Temp Ranges • Self Acting Temperature Controls

Temperature	V2.05	V4.03	V4.05	V4.10	V8.09	V8.18
Range °C	0-60	0-160	0-120	0-60	0-120	0-60
	30-90		40-160	30-90	40-160	30-90
	60-120			60-120		60-120



Motors

Clorius Valve Motors

Various Voltages and Speeds. Casings IP44
Motors designed to fit L1S, L2S, L3S, M1F and M3F

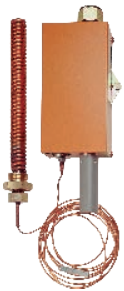


Pocket

Clorius Sensor Pockets

Stainless Steel for use with all Self Acting Controllers with Rod Sensor

	V2.05	V4.03	V4.05	V4.10	V8.09	V8.18
F	215	215	390	512	740	805



Safety Thermostats

Clorius Self Acting Safety Thermostats

Safety Release Systems

	SH4	SH4S	SE4
Sensor	Copper Rod	Copper Spiral	Electromagnetic



TDS

Clorius Differential Pressure Controls

16 Bar Rated

TDS15.1	TDS15.5	TDS20.1	TDS20.5
F 240	240	240	240

Pressure and Temperature

Pressure and Temperature information shown in this Product Guide is for guidance only. Pressures stated are generally based on the smaller sizes of each product and may reduce significantly for the larger sizes.

It is also a fundamental principle of valves and pipe work systems that if the temperature is increased then the pressure must be reduced. For exact pressure/temperature relationships we recommend that you check our product data sheets or consult our sales office. Although many of our valves are suitable for use at temperatures below freezing, it is necessary to take precautions to prevent the line fluid freezing and causing subsequent damage to the valve and pipe work system.

Options

Many of our valves can be supplied with alternative threads and flange drillings. We can also offer a wide range of paint options and coatings for non standard requirements and special applications.

We hold stock of standard products with the handle options shown in the Product Guide, we can however supply valves with different colour handles, Tee handles, stem extensions, and hand wheels, etc. We are also happy to quote for supply of specials to your exact requirements. Our standard range of actuated valves can also be fitted with extra limit switches, proximity switches, positioners, non standard solenoid valves, and manual over rides. If you require an actuator from a specific manufacturer we can usually provide a competitive quotation. If you have any unusual or non standard requirement please do not hesitate to contact our sales office.

Own Label Branding

A very popular additional service that we offer is to brand our products with your name and logo. Our standard Brass and Stainless Steel ball valves can be supplied with the handles printed to your own unique design, or with your customers' name and logo. There is a minimum order of 10 pieces and all we ask is a one off contribution towards the initial costs of the design and artwork. For further information please contact our sales office.

Approvals and Certification

Albion's commitment to quality is reflected by our operation of an independently assessed quality management system registered under ISO9002:2000.

We also operate an environmental management system that has been successfully assessed against the ISO14001 standard. All applicable products conform to the Pressure Equipment Directive (PED) and where necessary are CE marked. Certain products also have specific approvals - EN331 approval for gas and WRAS approval for potable water. These items are indicated in the Product Guide. Many products also have other national approvals (ie DVGW, AGA, KIWA), please enquire if a specific approval is required. Test Certificates or Letters of Conformity are generally available for all products, please advise your requirements when placing orders.

BS 4504 Flange Table

DN	NB	PN6				PN10				PN16				PN40							
		DRILLING				DRILLING				DRILLING				DRILLING							
		Flange OD	P.C.D.	No. of Holes	Hole Dia.	Flange OD	P.C.D.	No. of Holes	Hole Dia.	Flange OD	P.C.D.	No. of Holes	Hole Dia.	Flange OD	P.C.D.	No. of Holes	Hole Dia.				
10	3/8"	75	50	4	11	90	60	4	14	90	60	4	14	90	60	4	14	90	60	4	14
15	1/2"	80	55	4	11	95	65	4	14	95	65	4	14	95	65	4	14	95	65	4	14
20	3/4"	90	65	4	11	105	75	4	14	105	75	4	14	105	75	4	14	105	75	4	14
25	1"	100	75	4	11	115	85	4	14	115	85	4	14	115	85	4	14	115	85	4	14
32	1 1/4"	120	80	4	14	140	100	4	18	140	100	4	18	140	100	4	18	140	100	4	18
40	1 1/2"	130	100	4	14	150	110	4	18	150	110	4	18	150	110	4	18	150	110	4	18
50	2"	140	110	4	14	165	125	4	18	165	125	4	18	165	125	4	18	165	125	4	18
65	2 1/2"	160	130	4	14	185	145	4	18	185	145	4	18	185	145	8	18	185	145	8	18
80	3"	190	150	4	18	200	160	4	18	200	160	8	18	200	160	8	18	200	160	8	18
100	4"	210	170	4	18	220	180	8	18	220	180	8	18	235	190	8	22	235	190	8	22
125	5"	240	200	8	18	250	210	8	18	250	210	8	18	270	220	8	26	270	220	8	26
150	6"	265	225	8	18	285	240	8	22	285	240	8	22	300	250	8	26	300	250	8	26
200	8"	320	280	8	18	340	295	8	22	340	295	12	22	360	310	12	26	375	320	12	30
250	10"	375	335	12	18	395	350	12	22	405	355	12	26	425	370	12	30	450	385	12	33
300	12"	440	395	12	22	445	400	12	22	460	410	12	26	485	430	16	30	515	450	16	33
350	14"	490	445	12	22	505	460	16	22	520	470	16	26	555	490	16	33	580	510	16	36
400	16"	540	495	16	22	565	515	16	26	580	525	16	30	620	550	16	36	660	585	16	39
450	18"	595	550	16	22	615	565	20	26	640	585	20	30								
500	20"	645	600	20	22	670	620	20	26	715	650	20	30	730	660	20	36	755	670	20	42
600	24"	755	705	20	26	780	725	20	30	840	770	20	36	845	770	20	39	890	795	10	48

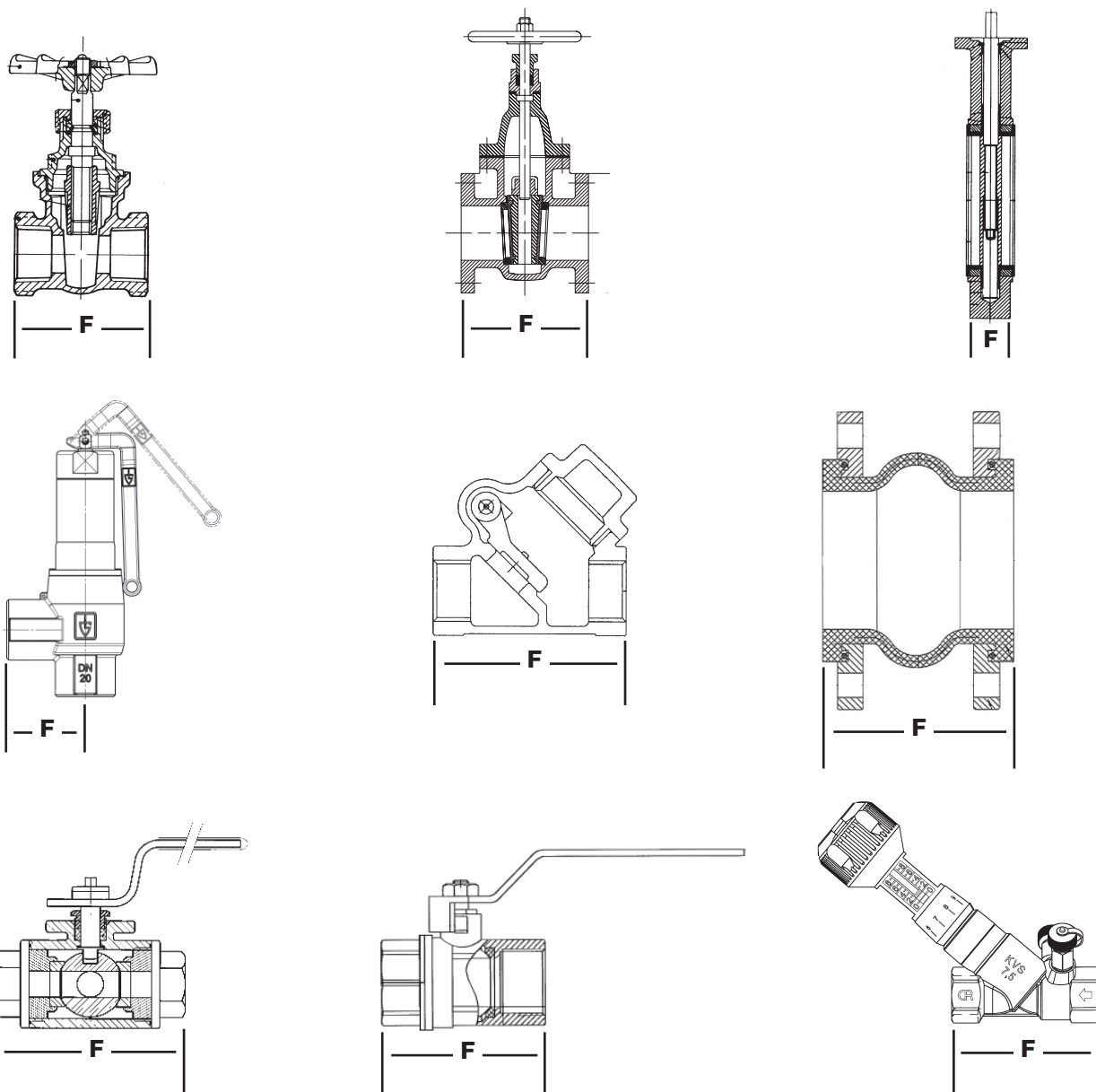
BS 10 Flange Table

DN	NB	D					E					F					H				
		DRILLING					DRILLING					DRILLING					DRILLING				
		Flange OD	Thickness	P.C.D.	No. of Holes	Hole Dia.	Flange OD	Thickness	P.C.D.	No. of Holes	Hole Dia.	Flange OD	Thickness	P.C.D.	No. of Holes	Hole Dia.	Flange OD	Thickness	P.C.D.	No. of Holes	Hole Dia.
15	1/2"	95	10	67	4	14	95	10	67	4	14	95	10	67	4	14	114	13	83	4	17
20	3/4"	102	10	73	4	14	102	10	73	4	14	102	10	73	4	14	114	13	83	4	17
25	1"	114	10	83	4	14	114	10	83	4	14	121	10	87	4	17	121	14	87	4	17
32	1 1/4"	121	13	87	4	14	121	13	87	4	14	133	13	98	4	17	133	17	98	4	17
40	1 1/2"	133	13	98	4	14	133	13	98	4	14	140	13	105	4	17	140	17	105	4	17
50	2"	152	14	144	4	17	152	14	114	4	17	165	16	127	4	17	165	19	127	4	17
65	2 1/2"	165	14	127	4	17	165	14	127	4	17	184	16	146	8	17	184	19	146	8	17
80	3"	184	14	146	4	17	184	14	146	4	17	203	16	165	8	17	203	22	165	8	17
100	4"	216	17	178	4	17	216	17	178	8	17	229	17	191	8	17	229	25	191	8	17
125	5"	254	17	210	8	17	254	17	210	8	17	279	22	235	8	22	279	29	235	8	22
150	6"	279	17	235	8	17	279	17	235	8	22	305	22	260	12	22	305	29	260	12	22
200	8"	337	19	292	8	17	337	19	292	8	22	368	25	324	12	22	368	32	324	12	22
250	10"	406	19	356	8	19	406	22	356	12	22	432	25	381	12	25	432	35	381	12	25
300	12"	457	22	406	12	22	457	25	406	12	25	489	29	438	16	25	489	38	438	16	25
350	14"	527	25	470	12	25	527	25	470	12	25	552	32	495	16	29	552	41	495	16	29
400	16"	578	25	521	12	25	578	25	521	12	25	610	32	552	20	29	610	44	552	20	29
450	18"	641	29	584	12	25	641	29	584	16	25	673	35	610	20	32	673	48	610	20	32
500	20"	705	32	641	16	25	705	32	641	16	25	737	38	673	24	32	737	51	673	24	32
600	24"	826	35	756	16	29	826	38	756	16	32	851	41	781	24	35	851	57	781	24	35

ASA Flange Table

DN	NB	CLASS 150				CLASS 300				CLASS 600				CLASS 900			
		DRILLING				DRILLING				DRILLING				DRILLING			
		Flange OD	P.C.D.	No. of Holes	Hole Dia.	Flange OD	P.C.D.	No. of Holes	Hole Dia.	Flange OD	P.C.D.	No. of Holes	Hole Dia.	Flange OD	P.C.D.	No. of Holes	Hole Dia.
15	1/2"	88.9	60.5	4	16	95.3	66.7	4	16	95.3	66.5	4	16	120.7	82.5	4	22
20	3/4"	98.5	69.9	4	16	117.3	82.5	4	19	117.3	82.5	4	19	130.0	88.9	4	22
25	1"	108.0	79.3	4	16	124.0	89.0	4	19	124.0	88.9	4	19	149.4	101.6	4	35
32	1 1/4"	117.3	88.9	4	16	133.4	98.5	4	19	133.4	98.5	4	19	158.8	111.2	4	25
40	1 1/2"	127.0	98.5	4	16	155.5	114.3	4	22	155.5	114.3	4	22	177.8	124.0	4	29
50	2"	152.4	120.7	4	19	165.1	127.0	8	19	165.1	127.0	8	19	215.9	165.1	8	25
65	2 1/2"	177.8	139.7	4	19	190.5	149.2	8	22	190.5	149.3	8	22	244.4	190.5	8	29
80	3"	190.5	152.4	4	19	209.5	168.5	8	22	209.5	168.2	8	22	241.3	190.5	8	25
100	4"	228.6	190.5	8	19	254.0	200.0	8	22	254.0	215.9	8	25	292.1	235.0	8	32
125	5"	254.0	215.9	8	22	279.4	235.0	8	22	279.4	226.7	8	29	249.2	279.4	8	35
150	6"	279.4	241.3	8	22	317.5	270.0	12	22	317.5	292.1	12	29	381.0	317.5	12	32
200	8"	342.9	298.5	8	22	381.0	330.2	15	25	381.0	349.2	12	32	469.9	393.7	12	38
250	10"	406.4	362.0	12	25	444.5	387.3	12	29	444.5	431.8	16	35	546.1	469.9	16	38
300	12"	482.6	431.8	12	25	520.7	451.0	16	32	520.7	489.0	20	35	609.6	533.4	20	38
350	14"	533.0	476.0	12	29	584.0	514.0	20	32	584.0	527.0	20	38	641.0	559.0	20	41
400	16"	597.0	540.0	16	29	648.0	572.0	20	35	648.0	603.0	20	41	705.0	616.0	20	44
450	18"	635.0	578.0	16	32	711.0	629.0	24	35	711.0	654.0	20	44	787.0	686.0	20	51
500	20"	699.0	635.0	20	32	775.0	686.0	24	35	775.0	724.0	24	44	857.0	749.0	20	54
600	24"	813.0	749.0	20	35	914.0	813.0	24	51	914.0	838.0	24	51	1041.0	902.0	20	67

'F' is the dimension as illustrated on the drawings below.



Example:



ART 40P

2 Piece Brass Ball Valve BSP Parallel F/F Ends

Full Bore • 40 Bar Rated (1/4" - 2") • 25 Bar Rated (2 1/2" - 4") • -20°C to +130°C

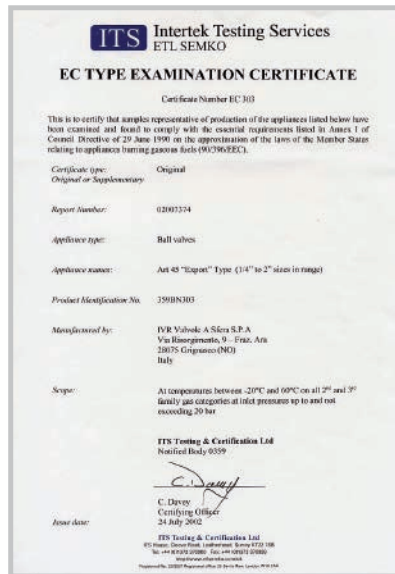
	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
F	45.6	45.6	56.2	68	78	87	100	120	146	170	200

Handle options: Tee Handle - Yellow, Red + Blue
Lever - Yellow (1/4" to 4")
Lever - Red + Blue (1/2" to 2")

Art 45 WRAS



Art 45 EN331



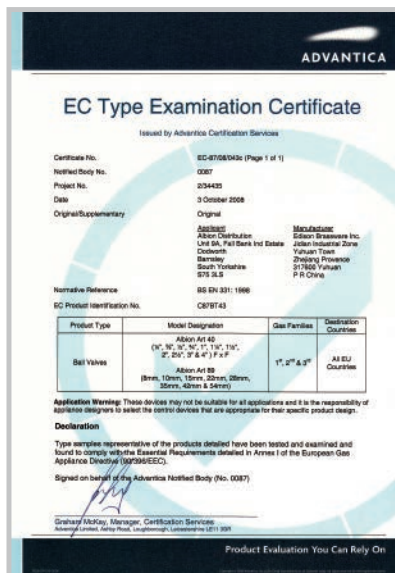
Art 40P WRAS



Art 40T WRAS



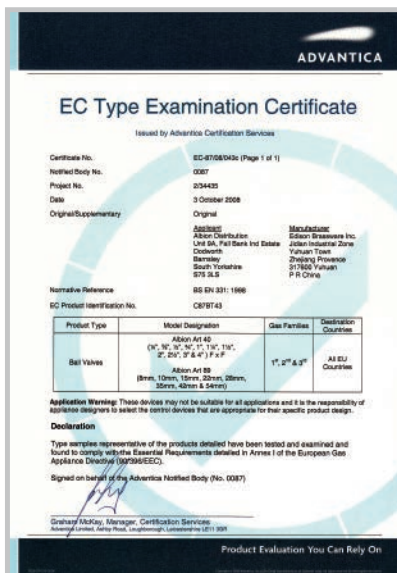
Art 40 EN331



Art 89 WRAS



Art 89 EN331



Art 50 WRAS



Art 59 WRAS



Technical Information

Art 175 KITE MARK



Art 375 WRAS



Art 115 / 135 WRAS



Art 55 WRAS



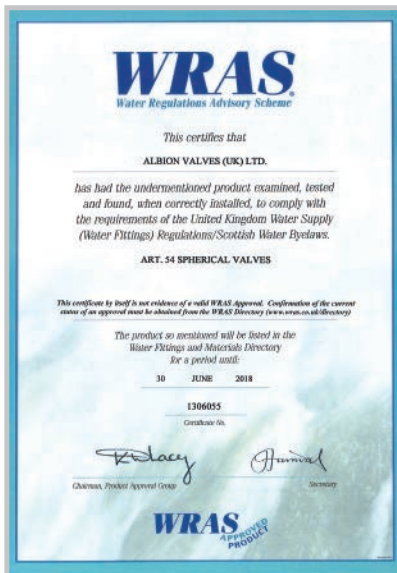
ISO 14001



ISO 9001



Art 54 WRAS



SLP Solenoid WRAS



Safety Valve WRAS



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