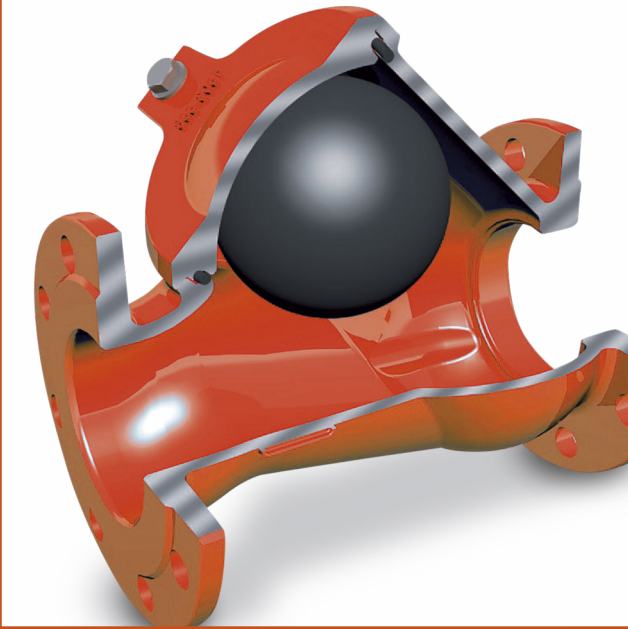
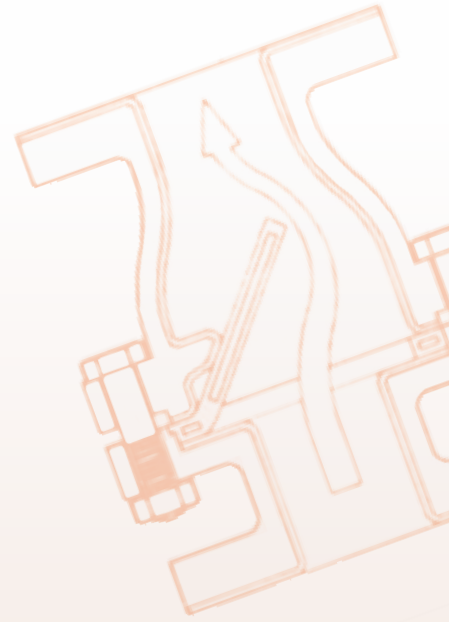


CHECK VALVES - RESILIENT SEATED

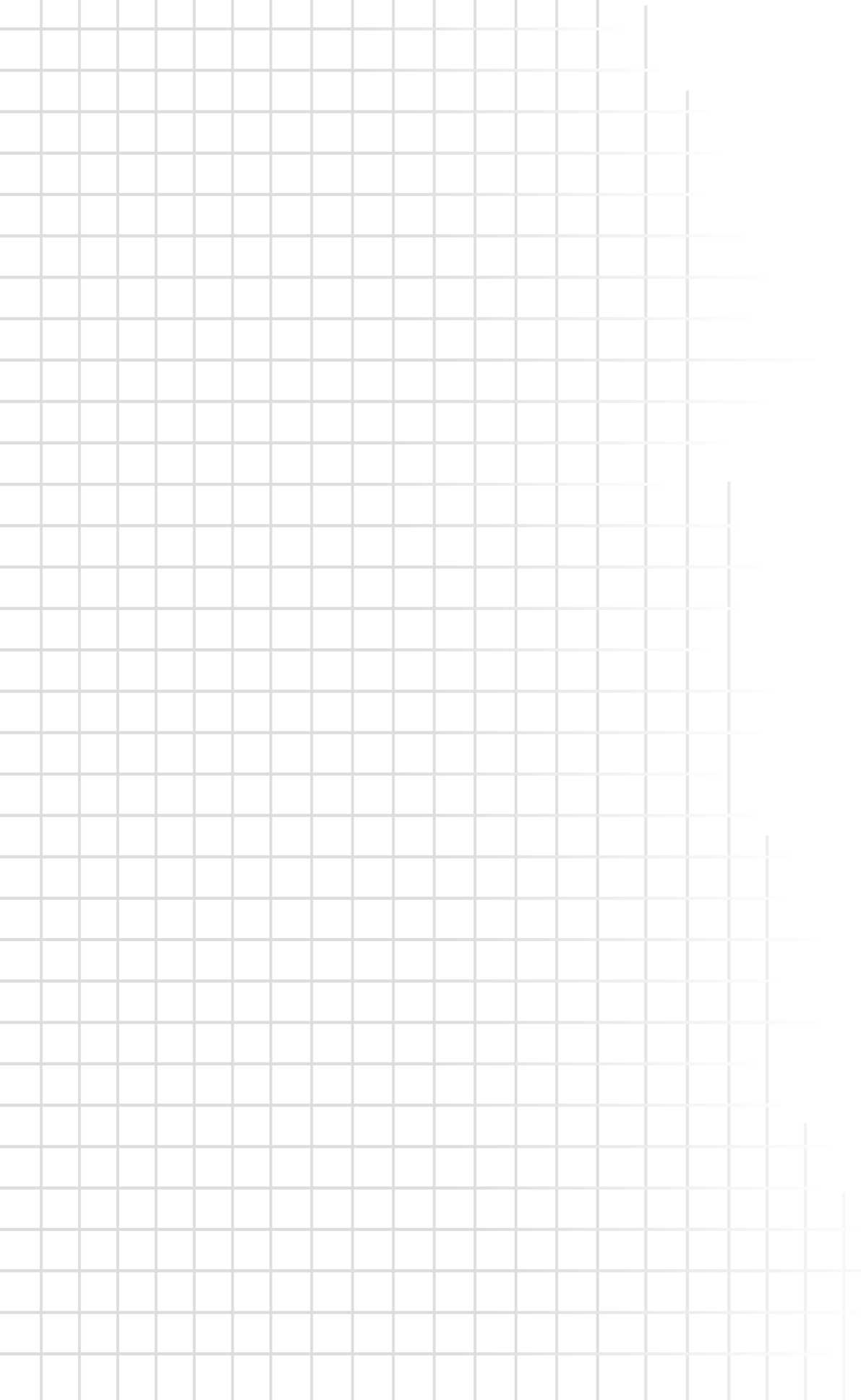
UNIFLO[®]



**AUSTRALIAN
PIPELINE VALVE[®]**

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QUALITY VALVE MANUFACTURER





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Check Valve (Non-Return)

UNIFLO®

N Series



Cast Iron or rubber lined cast iron body, semi flexible disc swing check.

RANGE OF APPLICATION

Size MM	Pressure Rating Bar	Hyd. test pressure in bar for	
		Body	Seat
15 - 350	7.0	10.5	7.7

FLANGES:- Connecting dimensions & thickness to ANSI(ASA)/BS/AS/ISO/DIN specifications.

MATERIAL LIST

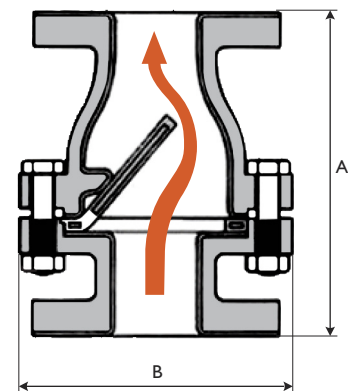
Part Name	Material
Body/End Piece	Cast Iron IS: 210Gr. FG. 260 with hard/soft rubber lining
Disc (or flap)	Steel reinforced plate duly rubber lined. Available in neoprene, viton, teflon etc.
Connecting bolts/nuts	Steel IS: 1367, Gr. 4.6/4
Valve Surface protection	Prime coat: chlorine-free with modified alkyd resin, unobjectable in physiological and toxicological respects. Additional external coating: machine varnish
Linings Available	Food grade, halar, hard rubber, teflon etc.

FEATURES

Simple three parts design, with only one moving part. Disc, absolutely 100% leak tight, 0.035 bar back pressure. Full bore design for minimum flow turbulence. Flap also serves as gasket seal between body and end piece. Valve usable in vertical or horizontal plane. Down time is kept to a minimum as the flap can easily be replaced in minutes.

DIMENSIONS

Size mm	Face to Face Dimensions A		Overall Dimensions B	Weight approx. kg.
	Unlined mm	Rubber Lined mm	mm	
25	144	150	124	4.0
40	174	180	144	7.0
50	194	200	166	8.5
65	234	240	220	14.0
80	254	260	220	20.0
100	292	300	270	34.0
150	392	400	322	56.0
200	492	500	396	103.0
250	590	600	500	190.0
300	690	700	554	310.0



Rubber lining specification according to flow medium & working temperature.

Cast on flow direction arrow ensures correct installation.

When placing order, please specify flow medium, working pressure and working temperature.

Not recommended for use under vacuum pressure.

Check Valve (Non-Return)

UNIFLO®

NX Series



Cast Iron or rubber lined cast iron body, semi flexible disc swing check.
Flow reversal of plus 0.35 bar

RANGE OF APPLICATION

Size MM	Pressure Rating Bar	Hyd. test pressure in bar for	
		Body	Seat
25 - 350	7.0	10.5	7.7

FLANGES:- Connecting dimensions & thickness to ANSI(ASA)/BS/AS/ISO/DIN specifications.

MATERIAL LIST

Part Name	Material
Body/End Piece	Cast Iron IS: 210 Gr. FG. 260 with hard/soft rubber lining
Disc (or flap)	Steel reinforced plate duly rubber lined. Available in neoprene, viton, teflon etc. Grade "B" Butyl is standard.
Connecting bolts/nuts	Steel IS: 1367, Gr. 4.6/4
Valve Surface protection	Prime coat: chlorine-free with modified alkyd resin. Additional external coating: machine varnish
Linings Available	Food grade, halar, hard rubber, teflon etc.

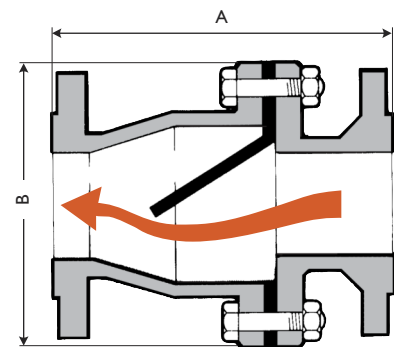


FEATURES

Simple three parts design, with only one moving part. Disc, absolutely 100% leak tight, 0.035 bar back pressure. Full bore design for minimum flow turbulence. Flap also serves as gasket seal between body and end piece. Valve usable in vertical or horizontal plane. Down time is kept to a minimum as the flap can easily be replaced in minutes.

DIMENSIONS

Size mm	Face to Face Dimensions A		Overall Dimensions B	Weight approx. kg.
	Unlined mm	Rubber Lined mm	mm	
25	144	157	124	4.0
40	174	186	149	7.0
50	194	204	162	8.5
65	234	244	216	14.0
80	254	265	216	20.0
100	292	356	295	34.0
150	392	406	327	56.0
200	492		396	103.0
250	590		500	190.0
300	690		554	310.0



Rubber lining specification according to flow medium & working temperature.

Cast on flow direction arrow ensures correct installation.

When placing order, please specify flow medium, working pressure and working temperature.

Not recommended for use under vacuum pressure.

Flanged Ball Check Valve

UNIFLO®

BC Series

APPLICATION

These full port ball checks with uninterrupted low (equal to bore of pipe) are ideal for wastewater, stormwater treatment, pumping dirty fluids. There is no accumulation of debris/deposits and the valve can be cleaned in-line without removal of entire valve and other neutral liquid applications.

GENERAL CHARACTERISTICS

Resistant to clogging
 Range: From DN 40 to DN 600, in EN 1092-1, PN10, PN16 & PN25.
 Horizontal or vertical position.
 Low head loss.
 Self cleaning due to rotating ball.
 Stainless body with PTFE/PFA/Glass filled ball available on request for chemical and high temperature applications.

MATERIALS

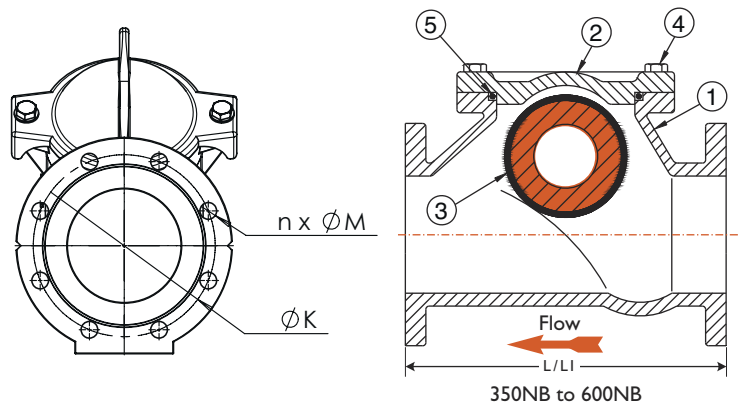
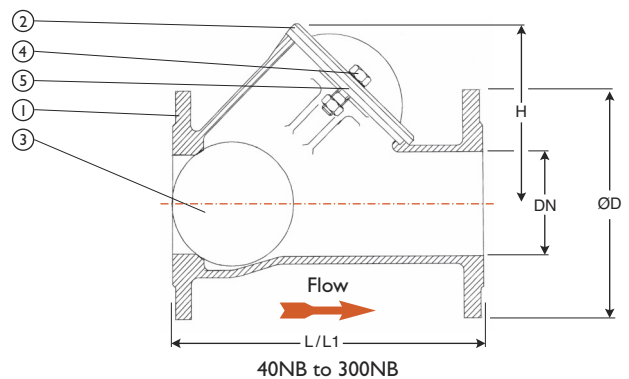
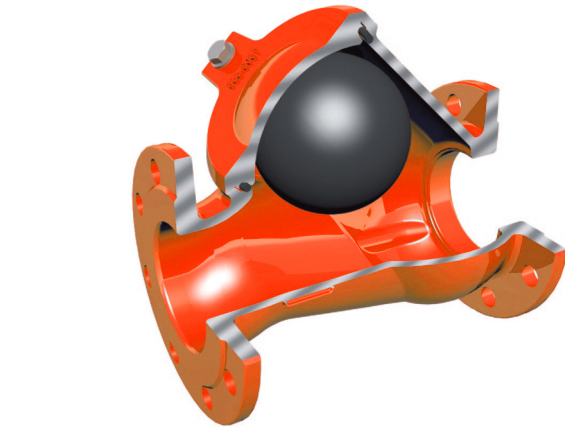
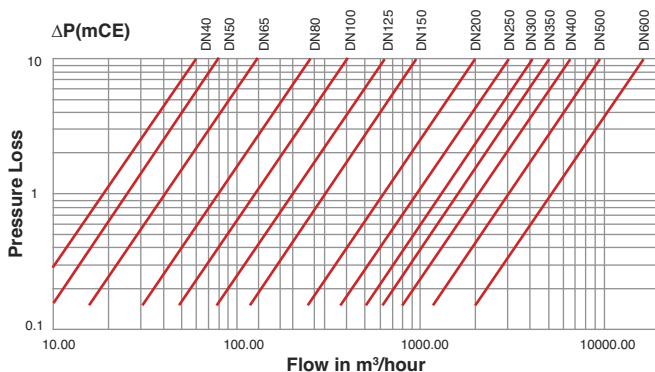
No.	Qty.	Description	Material	
1	1	Body	Ductile iron plus Epoxy Coat EN-GJS-400-15	DIN: GGG 40 ASTM: A536 65-45-12 BS: 1563 EN-JS 1030
2	1	Bonnet	Ductile iron plus Epoxy Coat EN-GJS-400-15	DIN: GGG 40 ASTM: A536 65-45-12 BS: 1563 EN-JS 1030
3	1	Ball	Nitrile or EPDM coated steel	Polyurethane
4	2/4	Nut	Stainless steel	
5	1	Gasket	Nitrile or EPDM	
6	1	Degassing plug	Stainless steel	Optional

DIMENSIONS

DN		L	LI	H	ØD	ØK	n x ØM	Minimum opening pressure (mbar)	Weight (kg)
mm	inch								
40	1 1/2"	180	200	113	150	110	4 x Ø19	6.9	6.32
50	2"	200	240	145	165	125	4 x Ø18.5	12.6	9.26
65	2 1/2"	230	260	169	185	145	4 x Ø18.5	20.5	15.1
80	3"	260	300	169	200	160	8 x Ø18.5	12.0	15.82
100	4"	330	350	211	220	180	8 x Ø18	16.0	24.46
125	5"	350	400	275	250	210	8 x Ø18	41.6	38
150	6"	410	500	294	285	240	8 x Ø22	25.7	48
200	8"	540	600	395	340	295	8 x Ø22	26.7	90
250	10"	640	700	482	400	350	12 x Ø22	32.5	145
300	12"	700	800	573	455	400	12 x Ø22	35.7	230
350	14"	800	900	654	505	460	16 x Ø23	54.2	336.7
400	16"	900	1000	781	565	515	16 x Ø26	64.0	482.9
500	20"	1100	1100	880	670	620	20 x Ø27	-	580
600	24"	1300	1300	1030	780	725	20 x Ø30	-	1080

STANDARDS

Manufacture according to the requirements of the European directive 97/23/CE (Equipment under pressure): category III modulate H. (DN 40-400)
 Face to face according to standards NF EN 558-1 serie 48, or DIN 3202-F6, AS 4794, DIN 3202/1 series F6. Standard mounting flanges according to AS4087, EN 1092-2 ISO PN 10, PN 16, PN 25 and ASA 150 lbs on request.



Balls used in Uniflo ball check valves are NBR or EPDM vulcanised with an iron, steel or aluminium core, PTFE/PFA coated ball also available.

In Line ANS Series
(refer to drawing)



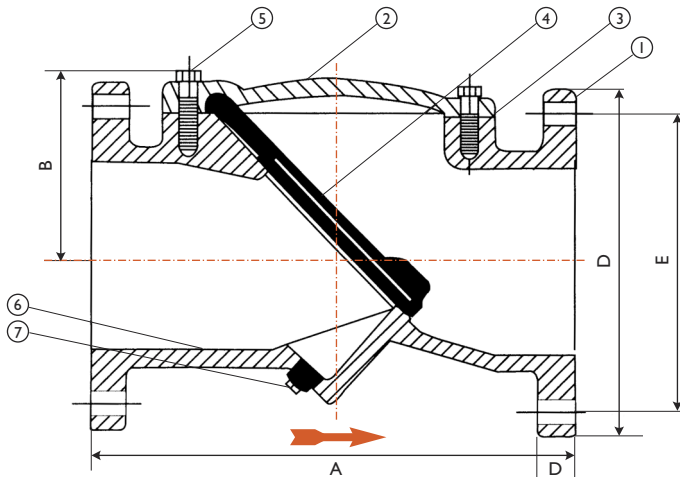
Lining Specifications:
 Lining material - PFA
 Lining material - 3 - 4 MM

Test Pressure:
 Shell - 26 bar before & after lining (Hydro.)
 Seat - 16 bar after lining (Hydro.)
 Spark Test - 100% Spark Test at 15 KVA
 for all lined parts in contact with fluid

Tilt Type Check Valve Rubber Coated Disc

UNIFLO®

500 Series



Hydrostatic test pressure is 1.5 times cwp

ANSI 125 • BS5153 PN16

GENERAL CHARACTERISTICS

- Valve Design to MSS SP-71, BS5153
- Flange to ANSI B16.1 (125lb), BS4504, PN16 (PN25 also available to 350NB)
- Face to Face to ANSI B16.10 (125lb)
- Pressure Rating
 - Nitrile 16 bar from -10 to 120°C
 - EPDM 16 bar from -10 to 120°C
 - Viton 16 bar from -10 to 200°C
- 100% Full Flow Area.
- Rubber coated steel disc.
- Resilient Lining available

MATERIALS

No	Part	Material	Standard
1	Body	Cast Iron/Ductile Iron	ASTM A126 Class B Over 12" ASTM A53B-Gr65-45-12 Ductile Iron
2	Cover	Cast Iron/Ductile Iron	ASTM A126 Class B Over 12" ASTM A53B-Gr65-45-12 Ductile Iron
3	Gasket	Graphite or Butyl Rubber etc. on request	
4	Disc	Buna/EPDM/Viton/NBR	ASTM A-35/0-2000 encapsulated - reinforced butyl rubber
5	Bolt	Steel	AISI 1035/SAE Grade 5
6	Inner Coat	Epoxy or Lined	Epoxy or Chloro Butyl or Bromo Butyl etc
7	Plug	Malleable Iron	(Optional)



* Body material is available in Ductile iron (14 inch and over is standard in ductile iron)

DIMENSIONS

VALVE SIZE (in)	MODEL	NB (MM)	A* (UNLINED) (EPOXY)		A1 (Lined)		B		C		D		E *1	
			INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
2"	502	50	8	203	8 1/8		3 3/8	86	6	165	3/8	16	4 3/8	125
2 1/2"	525	65	8 1/2	216	8 3/8		3 3/8	90	7	185	1/2	17	5 1/2	145
3"	503	80	9 1/2	241	9 3/8		3 3/8	98	7 1/2	220	3/4	19	6	160
4"	504	100	11 1/2	292	11 3/8	298	4 5/8	117	9	220	15/16	24	7 1/2	180
5"	505	125	13 3/4	330	14	356	5 1/8	130	10	250	15/16	24	8 1/2	210
6"	506	150	15	356	15 1/4	387	5 1/8	149	11	285	1	26	9 1/2	240
8"	508	200	19 1/2	496	19 3/4	502		194	13 1/2	340	1 1/8	30	11 3/4	295
10"	510	250	24 1/2	622	24 3/4	629	9 1/8	251	16	405	1 3/8	30	14 1/4	355
12"	512	300	27 1/2	699	27 3/4	692	11 1/8	311	19	460	1 1/2	32	17	410
14"	514	350	31	787	31 1/4	794	13 3/8	360	21	520	1 3/8	35	17 1/4	470
16"	516	400	32	912	32 1/4	819	15 3/8	420	23 1/2	580	1 7/8	37	21 1/4	525
18"	518	450	36	965	36 1/4	921	17 3/8	480	25	640	1 7/8	40	22 1/4	585
20"	520	500	40	1067	40 3/4	1022	19 3/8	520	27 1/2	715	1 11/16	43	25	650
24"	524	600	48	1219	48 3/4	1226	22 3/4	570	32	840	1 7/8	48	29 1/2	770

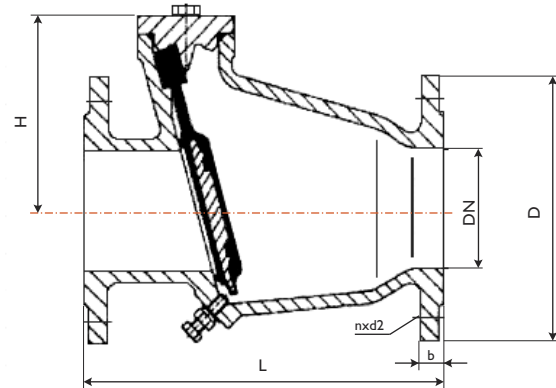
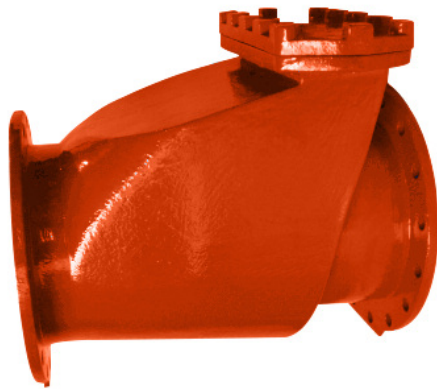
* Based on 500 Series, alternative face to face also available.

*1 AS/BS Table C to E drilling on request.

Tilt Type Check Valve Rubber Coated Disc

UNIFLO®

U128 Series



The swing check valves with rubber covered disc belong to the last generation of swing check valves, developed in order to improve the performance and the technical characteristics. These valves are manufactured in ductile iron, with the swing in ductile iron fully covered with NBR rubber. These swing check valves allow the full passage of the flow, with no water losses (compared to classical swing check valves with disc in cast iron). The disc doesn't need any maintenance and avoids any noise during closure. Epoxy coated inside and outside, these swing check valves are suitable for potable water.

Face to face length: EN 558-1 serie 48, DIN 3202 F6. Flanges UNI EN 1092-1 PN 10 - 16 (PN25 also available to 350NB)

Installation: vertical / horizontal (upwards).

APPLICATIONS • Water supply • Drinking water • Fire fighting systems • Pumping stations • Sewage

DIMENSIONS

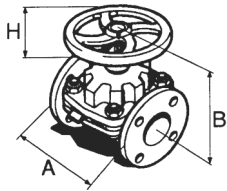
Valve Size (in)	NB (mm)	L mm	H mm	D mm	Weight kg
2	50	200	118	165	11
2.5	65	240	135	185	15.5
3	80	260	160	200	18.5
4	100	300	182	220	27
5	125	350	205	250	41
6	150	400	235	285	55
8	200	500	275	340	90.5
10	250	600	320	395	131
12	300	700	365	445	183
14	350	800	400	505	190
16	400	900	430	565	400

MATERIALS

Body	Ductile Iron GGG40, EN-GJS-400-15
Cover	Ductile iron GGG40, EN-GJS-400-15
Swing	Ductile iron GGG40, EN-GJS-400-15 NBR covered
Body Seat Facing	Ductile iron GGG40, EN-GJS-400-15
Gasket	NBR
Painting	Epoxy

Diaphragm Valve Weir (A) & Straight Thru (KB)

UNIFLO®



WEIR TYPE DIAPHRAGM VALVE (A)

The Weir Type Valve offers smooth flow and simple operation in any position. Parts fully interchange with Saunders and dimensions are the same. Its design provides extra-long diaphragm life for throttling and positive shut-off services. Hygienic style also available.

Size Range:
8mm to 350mm.

Pressure Range:
to 1580 kPa.

Temperature Range:
-45°C to 171°C.

Body Materials:
Cast Iron, Ductile Iron, Bronze, Aluminium and Stainless Steel

Body Linings:
Hard Rubber, Soft Rubber, Neoprene, Glass, Polypropylene, Halar and PVDF

Flangings
BST D-F, 125 ASA

Weir Type

The body of which gives a smooth pocketless flow and features low pressure drop. Suitable for high line pressure duties and is available in a range of trims & materials for gases and liquids.



FLOW PATH



Weir Type

Bonnet Assembly

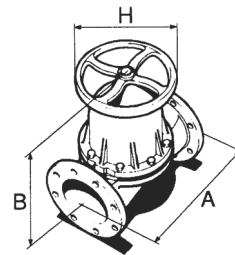
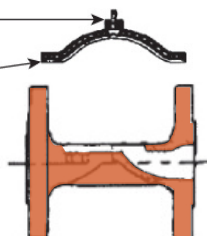
Contains a compressor which supports the diaphragm at all stages of travel

Diaphragm

Specially shaped to achieve leak tight seat against wall.

Stud (screw or bayonet fitting to compressor)
Optional PTFE face

Weir form reduces diaphragm travel



STRAIGHT THRU DIAPHRAGM VALVE (KB)

Straight Thru Valves efficiently handle abrasive and corrosive slurries, thick coagulating fluids, and a wide variety of suspended solid materials.

STRAIGHT THRU TYPE

Size Range: 15mm to 350mm. **Pressure Range:** Vacuum to 690 kPa.

Temperature Range:
-40°C to 121°C.

Body Materials and Linings:

Cast Iron, Hard Rubber, Soft Rubber, Neoprene, Glass

Flangings

BST D-F, 125 ASA

Straight through type

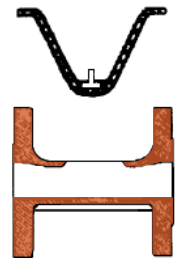
The body design offers minimum friction, no turbulence and is suitable for sludge and slurry pressure gases.



FLOW PATH

Bonnet Assembly

The compressor & sprindle design gives a long travel sufficient to contact the valve body seat & to lift the diaphragm up into the bonnet to provide total clearance of the pipeline.



Diaphragm

Specially shaped to achieve leaktight seat against valve wall.

Body

Allows greater flow and is suitable for rodding through.

DIMENSIONS WEIR & STRAIGHT THRU (KB)

Valve Size (DN)	A		B	H	A Type	KB Type
	Unlined	Lined			Weir Weight Kg	Straight Thru Weight Kg
6	-	-	70	70	-	-
10	-	-	70	70	-	-
15	108	114	77	70	1.9	1.6
20	117	123	84	70	2.1	1.9
25	127	133	96	100	2.8	3.1
32	146	152	104	100	3.4	3.3
40	159	165	135	140	4.6	4.4
50	190	196	147	140	6.8	8.1
65	216	222	166	140	8.7	9
80	254	260	214	225	11.5	12.3
100	305	313	236	225	19.5	19
125	356	364	269	310	28.6	25.5
150	406	414	325	368	38.6	35
200	521	529	442	471	69	63
225	-	-	-	-	93	-
250	635	645	524	587	117	106
300	749	759	624	690	170	145
350	749	759	810	690	211	238



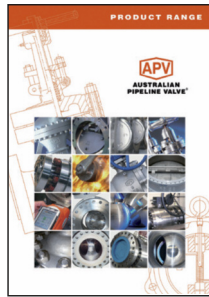
AUSTRALIAN PIPELINE VALVE®

COMPLETE PRODUCT LINE

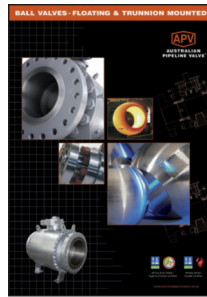
“Australian Pipeline Valve produces isolation, control and flow reversal protection products for severe and critical service media in utility, steam, pipelines, oil & gas and process industries. APV valves and pipeline products form the most competitive portfolio in the market.”



AUSTRALIAN PIPELINE VALVE BRAND RANGE - CATALOGUES



Product Brochure



Ball Valves Floating & Trunnion Mounted



Ball Valves Floating Small Bore



Ball Valves Special Service



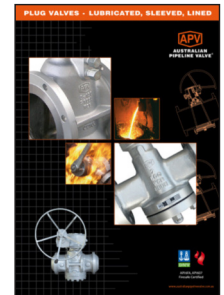
Oilfield Products Valves & Wellheads



Gate, Globe & Check Valves - Cast



Gate, Globe & Check Valves - Forged Steel



Plug Valves Lubricated, Sleeved & Lined

APV FAMILY OF BRANDS RANGE - CATALOGUES



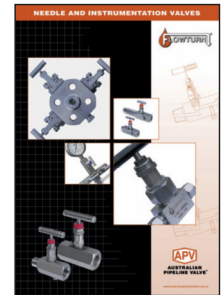
Diamond Gear Gearboxes



Flowturn Ball Valves Multiway & Deadman



Flowturn Gate, Globe & Check Valves



Flowturn Instrument Valves



Flowturn Strainers & Sight Glasses



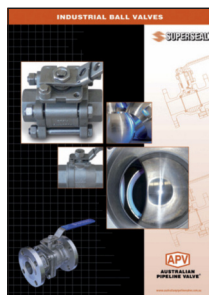
Steamco Steam Valves



Supercheck Wafer Check Valves



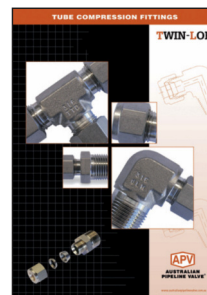
Superseal Butterfly Valves



Superseal Industrial Ball Valves



Torqturn Actuators



TwinLok Tube Fittings

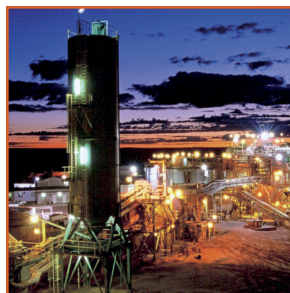


Uniflo Check Valves

Contact us for your local stockist/distributor

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LOCAL DISTRIBUTOR



QUALITY ASSURANCE AND CERTIFICATION

We are continually improving all facets of quality assurance. Full metallurgical and test certificates are always supplied for all pressure retaining parts.

We have endeavoured to provide a broad outline of our range and capabilities. Because we are continually developing new products for our customers this catalogue will, to some extent be incomplete. This catalogue is a general overview only, individual drawings and data sheets can be furnished on request.

If you have any requirement in the field of valves, please contact us for a prompt response. Continuous development of Australian Pipeline Valve products may necessitate changes in the design or manufacturing processes. Australian Pipeline Valve reserves the right to effect any such changes without prior notice.

