



# VELLES GROUP Sp. z o.o.

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## LINED BALL VALVE – FLANGED ENDS



VELES GROUP Lined Ball Valves are generally made from Cast Ductile Iron with lining. It is a Full Port, **Two Piece design**, Bolted Body Construction with Integral Ball and Stem Unit, Replaceable Seat, Bubble Tight Shut Off, Glandless Design, Maintenance Free, Full Flow Efficient, Low Torque Manual lever Operated up to 100 mm / Worm Gear operated in 150 mm and 200 mm for easy operation :

- 01) **Size Range** : 15 mm to 200 mm
- 02) **Mfg. Standard** : EN ISO 17292 (BS 5351)
- 03) **Testing Standard** : API 598
- 04) **Flange Dimensions** : ANSI B 16.5 - Class 150# - 300#, DIN, BS10, JIS etc
- 05) **Face to Face** : ASME B 16.10
- 06) **Body & Cover M.O.C.** : S.G. Iron, C.S. (WCB), S.S.304/304L, S.S.316/316L
- 07) **Ball & Stem (1 Pc.)** : C.S. or M.S., S.S. 304/304L, S.S. 316/316L
- 08) **Body / Ball Linings** : PTFE, FEP, PFA, PVDF, ECTFE, PP, HDPE
- 09) **Lining Thickness** : Minimum 3.0 mm / 4.0 mm overall
- 10) **Lining Spark Test** : 20 KVDC (Body Liners & All Wetted Parts)
- 11) **Hydro Test** : Body : 20 Kg/cm<sup>2</sup>, Seat : 10 Kg/ cm<sup>2</sup>, Air : 06 Kg/cm<sup>2</sup>

## LINED BUTTERFLY VALVE & PTFE SEATED BUTTERFLY VALVE



VELES GROUP Slim Seal **Split or Two Piece Design** Butterfly Valves are available in **Wafer or Lug Style with Pressure Rating of PN 16**. MVS Cast Ductile Iron Lined Butterfly Valve are designed for Trouble free Performance and minimal maintenance. Integral Stem & Centric Disc Design ensure Bubble Tight Shut off, Lever Operated up to 200 mm / Gear Operation above 200mm for ease in operation, MVS also offers **PTFE Seated Butterfly Valve with Unlined Disc with Integral Stem** :

- 01) **Size Range** : 40 mm to 600 mm
- 02) **Mfg. Standard** : BS 5155 / API 609
- 03) **Testing Standard** : EN 12266-1 (BS 6755 - Part 1)
- 04) **Mounting Conformity** : ANSI B 16.5 - Class 150#, DIN, BS, JIS etc
- 05) **Face to Face** : API 609 / MSS-SP 67
- 06) **Body M.O.C.** : S.G. Iron, C.S. (WCB), S.S. 304/304L, S.S. 316/316L
- 07) **Body Seat** : PTFE, FEP, PFA
- 08) **Disc & Shaft (1 Pc.)** : M.S., S.S. 304/304L, S.S. 316/316L
- 09) **Disc Lining Options** : PTFE, FEP, PFA, PVDF, ECTFE, PP, HDPE
- 10) **Lining Thickness** : Minimum 3.0 mm / 4.0 mm overall
- 11) **Lining Spark Test** : 20 KVDC (Body Liners & All Wetted Parts)
- 12) **Hydro Test** : Body : 20 Kg/cm<sup>2</sup>, Seat : 10 Kg/ cm<sup>2</sup>, Air : 06 Kg/cm<sup>2</sup>

## LINED PLUG VALVE AND PTFE SLEEVED PLUG VALVES – FLANGED ENDS



VELES GROUP Lined Plug Valves are generally made from Cast Ductile Iron with lining. It is a Full Port, **Single Piece Body design**, packed with features like Bubble Tight Shut Off, Maintenance Free, Full Flow Efficient, Low Torque; Manual lever Operated up to 100 mm / Worm Gear operated in 150 mm and 200 mm for easy operation :

- 01) **Size Range** : 15 mm to 200 mm
- 02) **Mfg. Standard** : BS 5158, BS 5353, API 599
- 03) **Testing Standard** : API 598
- 04) **Flange Dimensions** : ANSI B 16.5 - Class 150# - 300#, DIN, BS10, JIS etc
- 05) **Face to Face** : ASME B 16.10
- 06) **Body & Cover M.O.C.** : S.G. Iron, C.S. (WCB), S.S.304/304L, S.S.316/316L
- 07) **Plug (1 Pc.)** : C.S. or M.S., S.S. 304/304L, S.S. 316/316L
- 08) **Body / Plug Linings** : PTFE, FEP, PFA, PVDF, ECTFE, PP, HDPE
- 09) **Lining Thickness** : Minimum 3.0 mm / 4.0 mm overall
- 10) **Lining Spark Test** : 20 KVDC (Body Liners & All Wetted Parts)
- 11) **Hydro Test** : Body : 20 Kg/cm<sup>2</sup>, Seat : 10 Kg/ cm<sup>2</sup>, Air : 06 Kg/cm<sup>2</sup>



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## LINED BALL CHECK VALVE – FLANGED ENDS



VELES GROUP Lined Ball Check Valves are generally made from Cast Ductile Iron with lining. It is a Full Port, Uni-Directional, **Two Piece design**, Bolted Body Construction with **Floating SOLID PTFE Ball**, Replaceable Seat, Bubble Tight Shut Off, Full Flow Efficient, suitable for **Vertical or Horizontal Installation** :

01	<b>Size Range</b>	: 15 mm to 200 mm
02	<b>Mfg. Standard</b>	: As per MVS Standard
03	<b>Testing Standard</b>	: EN 12266-1 (BS 6755 - Part1), API 598
04	<b>Flange Dimensions</b>	: ANSI B 16.5 - Class 150# - 300#, DIN, BS10, JIS etc
05	<b>Face to Face</b>	: ASME B 16.10
06	<b>Body M.O.C.</b>	: S.G. Iron, C.S. (WCB), S.S.304/304L,S.S.316/316L
07	<b>Ball</b>	: Solid PTFE
08	<b>Body Lining Options</b>	: PTFE, FEP, PFA, PVDF, ECTFE, PP, HDPE
09	<b>Lining Thickness</b>	: Minimum 3.0 mm / 4.0 mm overall
10	<b>Lining Spark Test</b>	: 20 KVDC (Body Liners & All Wetted Parts)
11	<b>Hydro Test</b>	: Body : 20 Kg/cm <sup>2</sup> , Seat : 10 Kg/ cm <sup>2</sup> , Air : N.A.

## LINED WEIR TYPE DIAPHRAGM VALVE – FLANGED ENDS



VELES GROUP Lined 'A' Weir Type Diaphragm Valves are manufactured in Cast Ductile Iron Body with various Lining option and Bonnet with **ON / OFF YELLOW POSITION INDICATOR**. Body Lining has High permeation resistance and is vacuum-proof anchored, High Density PTFE Backed by EPDM Rubber Diaphragm doesn't allow media to come in contact with internal working parts, thus ensuring Long-Lasting, trouble-free and low cost / time saving maintenance operation :

01	<b>Size Range</b>	: 15 mm to 250 mm
02	<b>Mfg. Standard</b>	: EN 13397 (BS 5156)
03	<b>Testing Standard</b>	: EN 12266-1 (BS 6755-1)
04	<b>Flange Dimensions</b>	: ANSI B 16.5 - Class 150# - 300#, DIN, BS10, JIS etc
05	<b>Face to Face</b>	: EN 558-1 Series 7 & 1.
06	<b>Body &amp; Bonnet M.O.C.</b>	: S.G. Iron, C.S. (WCB), S.S. 304/304L, S.S. 316/316L
07	<b>Stem</b>	: M.S., S.S. 410, S.S. 304/304L, S.S. 316/316L
08	<b>Diaphragm</b>	: PTFE Backed By EPDM / Neoprene Rubber (Screw)
09	<b>Body Lining Options</b>	: PTFE, FEP, PFA, PVDF, ECTFE, PP, HDPE
10	<b>Lining Thickness</b>	: Minimum 3.0 mm / 4.0 mm overall
11	<b>Lining Spark Test</b>	: 20 KVDC (Body Liners & All Wetted Parts)
12	<b>Hydro Test</b>	: Body : 20 Kg/cm <sup>2</sup> , Seat : 10 Kg/ cm <sup>2</sup> , Air : 06 Kg/cm <sup>2</sup>

## LINED WAFER (FLAP) TYPE SWING CHECK VALVE – FLANGED ENDS



VELES GROUP Fully Lined Wafer Type Swing check valve has a fully fluoropolymer encapsulated one piece disc and hinge and lined body, suitable to mount between two flanges of ANSI B 16.5, it has very wide range of uses in all highly corrosive and arduous conditions. The non return valve has very simple operation allowing flow only one way through the valve and can be installed in both **Horizontal and Vertical Applications** :

01	<b>Size Range</b>	: 25 mm to 300 mm
02	<b>Mfg. Standard</b>	: API 6D
03	<b>Testing Standard</b>	: API 598
04	<b>Mounting Conformity</b>	: ANSI B 16.5 - Class 150# / 300#, BS10Table, DIN etc
05	<b>Face to Face</b>	: ANSI B 16.10
06	<b>Body &amp; Disc M.O.C.</b>	: S.G. Iron, C.S. (WCB), S.S.304/304L, S.S.316/316L
07	<b>Body Seat</b>	: PTFE, FEP, PFA
08	<b>Disc Lining Options</b>	: PTFE, FEP, PFA, PVDF, ECTFE, PP, HDPE
09	<b>Lining Thickness</b>	: Minimum 3.0 mm / 4.0 mm overall
10	<b>Lining Spark Test</b>	: 20 KVDC (Body Liners & All Wetted Parts)
11	<b>Hydro Test</b>	: Body : 20 Kg/cm <sup>2</sup> , Seat : 10 Kg/ cm <sup>2</sup> , Air : 06 Kg/cm <sup>2</sup>

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## PTFE / FEP / PFA LINED – PIPES AND PIPE FITTINGS - ACCESSORIES

### LINED PIPE SPOOL – WELDED FIXED / ROTATING – JACKETED



- 01 **Size Range** : 25 mm to 300 mm
- 02 **Max Available length** : 3000 mm
- 03 **End Connection** : One Flange Fixed and Other Flange Loose, Both Flange Fix
- 04 **Pipe Specifications** : Carbon Steel Seamless Pipes confirming to ASTM A-106 Gr. B, Sch. 40
- 05 **Flanges & Collar** : Made from Plates confirming to IS 2062
- 06 **Flange Dimensions** : DIN PN10/16, BS 10, ASME 150 / 300, Mixed
- 07 **Lining** : PTFE Liner Extruded from Virgin PTFE Granules
- 08 **Lining Options** : PTFE, FEP, PFA, PVDF, ECTFE, PP, HDPE
- 09 **Lining Thickness** : Minimum 3.5 mm / 6.0 overall (±1.0 Lining Tolerance)
- 10 **Lining Spark Test** : 20 KVDC
- 11 **Extras** : Earthing Studs / Lugs, Vent Extensions, Grounding Provision

### LINED 45° and 90° DEGREE ELBOWS



- 01 **Size Range** : 25 mm to 300 mm
- 02 **Standard Degrees** : 45° and 90° (Long Radius / Other Angles on request)
- 03 **End Connection** : Both Sides fixed flanges – Rotating – Fixed On / Off Centres
- 04 **Material** : Formed and Fabricated from Carbon Steel Seamless Pipes confirming to ASTM A-106 Gr. B, Sch. 40
- 05 **Flanges** : Made from Plates confirming to IS 2062
- 06 **Flange Dimensions** : DIN PN10/16, BS 10, ASME 150 / 300, Mixed
- 07 **Lining** : PTFE Liner Extruded from Virgin PTFE Granules
- 08 **Lining Options** : PTFE, FEP, PFA, PVDF, ECTFE, PP, HDPE
- 09 **Lining Thickness** : Minimum 3.5 mm / 6.0 overall (±1.0 Lining Tolerance)
- 10 **Lining Spark Test** : 20 KVDC
- 11 **Extras** : Earthing Studs / Lugs, Vent Extensions, Grounding Provision

### EQUAL - UNEQUAL or REDUCING – LATERAL - INSTRUMENT - TEES - EQUAL CROSS



- 01 **Size Range** : 25 mm to 300 mm
- 02 **End Connection** : Both Sides fixed flanges – Rotating – Fixed On / Off Centres
- 03 **Material** : a. Up to 150 mm – S.G. Iron (IS1865:1991 Gr. 400 / 15)  
b. 200 mm to 300 mm - Formed and Fabricated from Carbon Steel Seamless Pipes confirming to ASTM A-106 Gr. B, Sch. 40
- 04 **Flanges** : Made from Plates confirming to IS 2062
- 05 **Flange Dimensions** : DIN PN10/16, BS 10, ASME 150 / 300, Mixed
- 06 **Lining** : Moulded FEP / PFA
- 07 **Lining Options** : PTFE, FEP, PFA, PVDF, ECTFE, PP, HDPE
- 08 **Lining Thickness** : Minimum 4.0 mm / 6.0 overall (±1.0 Lining Tolerance)
- 09 **Lining Spark Test** : 20 KVDC
- 10 **Extras** : Earthing Studs / Lugs, Vent Extensions, Non Standard Sizes

### LINED - CONCENTRIC / ECCENTRIC REDUCER - REDUCING FLANGE - BLIND FLANGE



- 01 **Size Range** : 25 mm to 300 mm
- 02 **End Connection** : Both Sides fixed flanges – Rotating
- 03 **Material** : a. Up to 150 mm Reducers and Up to 300 mm Reducing Flanges – S.G. Iron (IS1865:1991 Gr. 400 / 15)  
b. For Reducers from 200 mm to 300 mm - Formed and Fabricated from C.S. Seamless Pipes confirming to ASTM A-106 Gr.B,Sch.40
- 04 **Flanges** : Made from Plates confirming to IS 2062
- 05 **Flange Dimensions** : DIN PN10/16, BS 10, ASME 150 / 300, Mixed
- 06 **Lining** : Moulded FEP / PFA
- 07 **Lining Options** : PTFE, FEP, PFA, PVDF, ECTFE, PP, HDPE
- 08 **Lining Thickness** : Minimum 4.0 mm / 6.0 overall (±1.0 Lining Tolerance)
- 09 **Lining Spark Test** : 20 KVDC
- 10 **Extras** : Earthing Studs / Lugs, Vent Extensions, Grounding Provision

Lined Full View Sight Glass



25 TO 150

Lined Y-Type Stariner



25 TO 200

Double Window Sight Glass



15 TO 200

Lined Flush Bottom Valve



All Sizes

Lined Dip Pipes



25 TO 200

PTFE Bellows



15 TO 600

Lined Spacers



25 TO 300

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