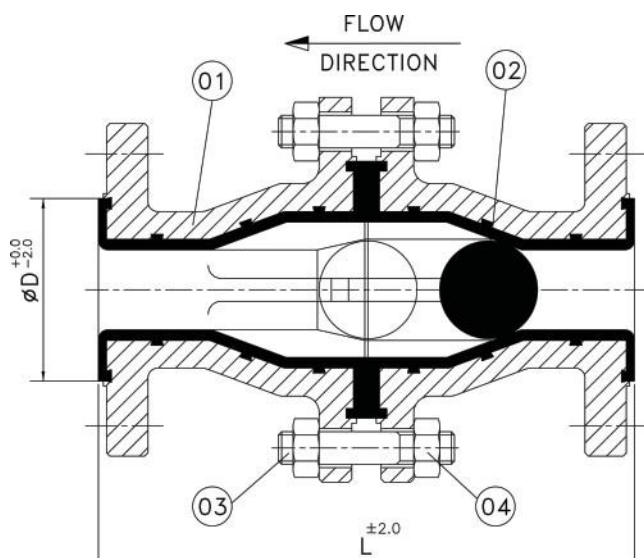


LINED CHECK VALVE (BALL TYPE NRV)



NO.	DESCRIPTION	MOC
01	Body With Lining	Ductile Iron GGG40.3 / ASTM A216 Gr. WCB (FEP Lined) †
02	Solid Ball	PTFE
03	Stud	SS 304
04	Nuts	SS 304

INSTALLATION

- When Installed Vertically (or upto 60° angle) check valve close automatically because of centre guided ball.
- When Installed Horizontally (90° to 60°), the valve close automatically if the back flow related to water is 1.5 - 2.5 m/sec.
- Full Bore when valve is opened. i.e. Low Pressure Drop condition.

Schematic Representation Only

† Standard Scope of Supply



BODY / DISC MATERIAL OPTIONS

- Ductile Iron GGG40.3 / ASTM A395
- Cast Steel ASTM A216 Gr.WCB
- ASTM A351 Gr. CF8 / S.S.304
- ASTM A351 Gr. CF8M / S.S.316

LINING MATERIAL OPTIONS

- PFA - ASTM D 3307
- ANT. PFA - ASTM D 3307
- FEP - ASTM D 2116
- ETFE - ASTM D 3159
- PVDF - ASTM D 3222
- HDPE - ASTM D 3350

TECHNICAL SPECIFICATIONS

- Design Standard : BS 5351
- Flange : As per ANSI B16.5 / B16.42
- Drilling : ASA #150 / DIN 2632/33 / BS 10 TABLE D, E, F
- Face to Face : ANSI B16.10 / DIN 3202 / BS EN 558-1&2
- Lining Thickness : 3 to 5 mm
- Testing Standard : BS EN 12266-122 (2012)

SALIENT FEATURES

- Extremely Effective in preventing backflow or back pressure in Vertical Installation.
- Full Size Port for maximum capacity.
- Practically 100% Maintenance Free due to presence of single moving part.
- Fully Lined Design to eliminate surface contact which gives maximum corrosion & contamination resistance

TEST & INSPECTION DATA

- Hydrostatic Test[‡] : Body - 15 Kg/Cm²
Back Seat - 2 Kg/Cm² (Leakage Rate D)
- Spark Test : 15 K.V. D.C

OPTIONAL DESIGN/COMPONENTS

- Y TYPE [45°] BALL CHECK DESIGN
- HORIZONTAL INSTALLATION KIT

DIMENSIONAL DATA

SIZE	L* (mm)	ØD (mm)	Pressure to Seat (PSI) [‡]
DN15-1/2"	130	35	40
DN20-3/4"	120	35	27
DN25-1"	127	55	19
DN40-1 1/2"	165	73	19
DN50-2"	178*	92	18
DN80-3"	203*	127	15
DN100-4"	228*	157	15
DN150-6"	406	216	11
DN200-8"	495	270	Consult
DN250-10"	622	322	Consult
DN300-12"	698	381	Consult

* As per BS EN558-2, Series-3.

‡ Reduced Port Design

@ As per BS EN 558-2, Series-10.

\$ Flange holes will be threaded. \$ Pressure to Unseat for all sizes will be less than 1 PSI.

Testing in accordance with BS 6755(Part 1) as per D4.1 & D4.3, Limitation Para 2, Leakage Rate D Hydraulic Seat Test shall be provided @1.1 of max. differential pressure for soft seated Valves.

Technical Information subject to change without notice