



# Diamond Non-Return Valves



The DPL hygienic Diamond Non-Return Valve is designed to prevent back-flow of product in the pipework system.

Constructed to the highest specification, the valve carries the 3A sanitary standard approval, thus ensuring optimum levels of hygiene and cleanliness by nature of its design.

The 3A standard governs many areas within the valve design and materials used. Stainless Steel product contact components are manufactured from the highest grade 316L. Seals and elastomers carry FDA approval, and all valve component parts are designed to enable thorough in-line cleaning, even in the most challenging of applications.

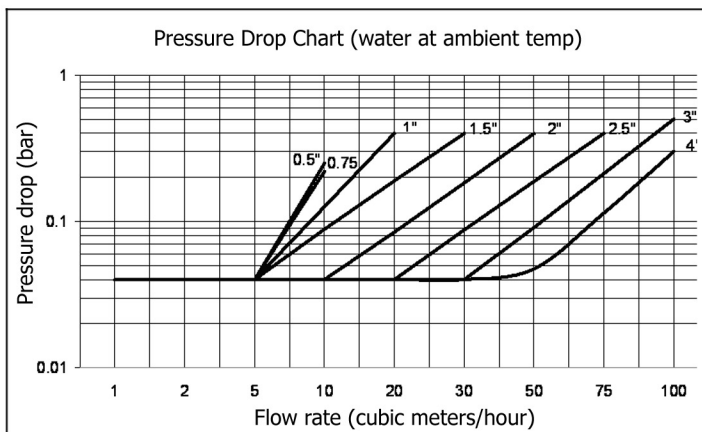
With options of surface finish, seal material and fitting type, the valve is suited to many industry sectors. These sectors include Food and Beverage, Pharmaceutical, Biomedical and Chemical.

Please call us to further discuss your requirements. We are confident that we have a valve designed to suit your application.

- ▶ 3A Approved construction materials and valve design thus ensuring the highest standards of hygiene.
- ▶ ATEX approval for use in hazardous areas.
- ▶ Fully machined valve components in 316L grade stainless steel offering excellent corrosion resistance and no porosity.
- ▶ Aseptic design ensures wide acceptance in world-wide pharmaceutical, food and beverage industries including biomedical applications e.g. WFI
- ▶ Clamp body design ensures minimal downtime when sterilising / dismantling.
- ▶ Wide selection of seal material and end fittings available, thus ensuring compatibility with your system.

SIZE	0.5"	0.75"	1"	1.5"	2"	2.5"	3"	4"
L1 WELD	75	75	60	75	75	75	75	119
L2 CLAMP	87	87	102	117	117	117	117	161
L2 MALE IDF/RJT	NA	NA	102	117	117	117	117	161 RJT 179 IDF
DIAMETER	63	63	63	93	107	133	145	185
WEIGHT	0.57	0.55	0.65	1.10	1.30	1.85	2.15	4.85

**WEIGHT (kg) INCLUDES CLAMP FERRULES. DIMENSIONS IN mm**



## Technical Data

- Initial Opening Pressure: 0.5 psi all valve sizes.
- Fully Open Pressure: 1 - 2 psi
- Max Operating Pressure: 150 psi (10 Bar)
- Seal Material Options: EPDM (standard), Nitrile, Silicone, Viton, FEP/PTFE.
- End Connection Options: Clamp, RJT, IDF, ILC, DIN, SMS, Flange, Butt Weld.
- Internal Surface Finish: 0.8um (standard)  
0.5um and/or Electro-Polish.
- Certification: EN10204 31b, ATEX, 3A, P.E.D 97/23/EG (SEP)

