

Pure-Fit® Tru Valve System

Tubing Valve Specifications



Innovative product design allows the Pure-Fit® Tru Valve to be installed over tubing or the completed assembly.

Pure-Fit® Tru Valve

The Pure-Fit® Tru Valve is an innovative valve design that allows the operator to install the system over standard flexible tubing or a finished assembly system. The superior lightweight construction allows the fluid flow to be accurately controlled with a calibrated scale on both sides to assist with validation protocols.

The Pure-Fit® Tru Valve was not only designed to meter fluid flow, but also as an effective, secure method to close off and lock out a tubing system during a steam-in-place (SIP) cycle.

Characteristics

The Pure-Fit® Tru Valve is completely constructed from light weight borosilicate reinforced nylon material and is also fully autoclavable and sterilizable utilizing gamma irradiation.

BIOPHARMACEUTICAL PRODUCTS

Multi-Function Valve Systems

Features/Benefits

- Simple to operate and install
- Offers total flow variability
- Butterfly mechanism allows installation over tubing and finished assembly
- Secure "tamper proof" lockout positioning
- Excellent temperature application range
- Lightweight, robust design wont unbalance your tubings
- Complete calibrated closure system
- Can be completely autoclaved or gamma irradiated
- Suitable for all flexible tubing materials

Typical Applications

- Biopharmaceutical markets
- Drug delivery and discovery
- Pharmaceutical processes
- Aseptic fluid transport
- Product sampling
- Media process systems
- Bioreactors and fermentors
- Sterile bag systems

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Tubing Valve Specifications

PART NUMBER
TV-C-75

MATERIAL
REINFORCED NYLON

TUBING RANGE, OD (INCHES)
1/8"-5/8"

Flow Characteristics

3/16" ID TUBING						*Open	*Open
Clamp Setting	3	2.75	2.5	2.25	2	1.75	15
ML/MIN.	0	33	333	800	1000	1333	1333

1/4" ID TUBING						*Open	*Open
Clamp Setting	3	2.5	2.25	2	1.75	1.5	1.25
ML/MIN.	0	42	893	1429	1515	1515	1515

3/8" ID TUBING						*Open	*Open
Clamp Setting	2.5	2.25	2	1.75	1.5	1.25	1
ML/MIN	0	57	625	1613	2000	3030	3030

Flow in ML/MIN, all data is for guidance only; please confirm flow data when assessing application. Testing was completed on a 10Ltr bag. Calibration is segments of .25 of full division.

*The open flow rate may vary depending on head pressure.

Technical Data

- The Tru Valve Clamp should be placed 1" or less from the face of the molded Tri-Clamp (TC) connection, care should be taken to ensure this is the maximum possible distance. The above tubing sizes were subjected to 100 PSI for 60 minutes at 65 deg F. No failure was seen on multiple testing.
- These connections can be subjected to SIP at maximum 35 PSI.
- The Tru Valve Clamp is auto-clavable (steam) and can be gamma irradiated.
- The clamp is to be used with security ties/labels which can be placed and validated as set on either a closed or preset flow. This ensures that the restricted flow position or secure closure is tamper proof, a significant advantage when ensuring compliance to a Standard Operating Procedure (SOP) is necessary.
- The reusable borosilicate reinforced nylon Tru Valve is designed to suit all tubing to .700" CD.

PLEASE NOTE

Suitability for any application is the responsibility of the end user, the information supplied is to be used as a guide only.

MATERIAL NOT INTENDED FOR IMPLANTATION

Pure-Fit® is a registered trademark of Saint-Gobain Performance Plastics, Inc.

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