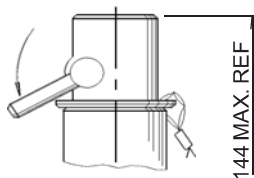


ILLUSTRATED SHOWING
TYPES
SEALED
NO EASING GEAR

ALTERNATIVE TOP FITTING



TYPE SL
SEALED LEVER
EASING GEAR

PARTS LIST & MATERIAL SPECIFICATION

		6L010
1	INLET SEAT	ST.STL. BS EN 10088-3 1.4404 (316L)
2	PLUNGER/SEAL	ST.STL. BS EN 10088-3 1.4404 (316L) / TO SUIT APPLICATION
3	BODY	ST.STL. BS EN 10283 1.4408 (316) SA-351 CF8M
4	SPRING	ST.STL. BS EN 10270-3 1.4310 (302)
5	SPINDLE	ST.STL. BS EN 10088-3 1.4057 (431)
6	ADJUSTER	ST.STL. BS EN 10088-3 1.4401 (316)
7	CAP	ST.STL. BS EN 10088-3 1.4401 (316)
8	COVER	ST.STL.
9	WIRELOCKING	ST.STL. & LEAD

APPROVALS

P.E.D. 2014/68/EU

Type examination module B, Cert. No. 2002/048/8923

Quality management system module D, Cert. No. COV0812369/01.

Designed in accordance with BS EN ISO 4126-1

TECHNICAL DATA

Relieving pressure	= Set pressure +25%
Reseating pressure	= Set pressure max -20% down to 3 Bar.g.
	= Below 3 Bar.g. = 0.6 Bar.g.
Maximum set pressure	= 30 Bar.g. SUBJECT TO CLAMP PRESSURE RATING
Minimum set pressure	= 0.76 Bar.g.
Flow area	= 70.9 mm ²
Inlet bore diameter	= 9.5 mm
Derated coefficient of discharge K _{dr}	= 0.59
Temperature Range	= Subject to seal material.

FOR FURTHER INFORMATION, CONVERSION FACTORS, INSTALLATION AND OPERATION INSTRUCTIONS ETC.
SEE TECHNICAL INFORMATION SECTION.



SEETRU LIMITED

ALBION DOCKSIDE WORKS, BRISTOL. BS1 6UT

TELEPHONE +44 (0) 117 930 6100, FAX +44 (0) 117 929 8193

www.seetru.com info@seetru.com

CLEAN SERVICE 10mm Nominal Bore
DIRECT SPRING LOADED ENCLOSED
DISCHARGE SAFETY VALVE FOR LIQUIDS

ENCLOSED DISCHARGE
10mm NOM. BORE SERIES M/2
TYPE 68010 ST.STL.

SHT 1 OF 2 SHTS

FLOW CHART

- TO CALCULATE INTERMEDIATE FLOWS SEE TECHNICAL INFORMATION SECTION C

- FOR GREATER FLOWS REFER TO 13mm BORE TYPE 6L013 DATA SHEET, FOR LOWER FLOWS REFER TO SEETRU

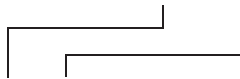
SET PRESSURE Bar.g	0.76	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
RATED DISCHARGE *CAPACITY IN ACCORDANCE WITH BS6759 WATER AT 15°C (kg/hr)	2075	3367	4761	5831	6733	7528	8246	8907	9522	10100	10650	11170	11660	12140	12600	13040

* DISCHARGING TO ATMOSPHERE

VALVE SELECTION CHART

Standard seat sizes shown, other sizes may be available

INLET CONNECTION	OUTLET CONNECTION	ORDERING CODE	TOP FITTING CODE	
			S	SL
1/2" CLAMP	G 3/4 (3/4" BSP PARALLEL)	6L010A	574C	583C
3/4" CLAMP			575C	584C
1" CLAMP			576C	585C



Example: Ordering code 6L010A 574C is St.Stl. construction Sealed, no easing gear, type S, with 1/2" Clamp inlet connection, 3/4" BSP parallel outlet connection with Perfluoroelastomer (Isolast®) seals & wirelocked.

Seal material: Last digit of ordering code calls up Perfluoroelastomer (Isolast®) seal. When other material is required last digit changes to:

- 6. ETHYLENE PROPYLENE Temperature (-40°C to 150°C)
- 7. PERFLUOROELASTOMER (ISOLAST®) Temperature (-15°C to 190°C)

For advice on seal material selection refer to Technical Information Section A.

APPLICATION

1. Safety valve for food industry & other hygienic applications including clean steam & gas applications.
2. For protection of installations in which clean service is required only on the inlet.
e.g. normal operation wetted parts.
3. Generally in accordance with 'ASME BPE 2005 Bioprocessing Equipment'.
4. Economic design giving small compact size, with high discharge capacities.
5. Elastomer soft sealing for high level sealing tightness at operating pressure, with minimum leakage for cost effective operation.

SURFACE FINISH

Process Contact Surface

In accordance with ASME BPE-2005 Table SF-5.

Surface designation R_a Max 15 pinches, 0.4 μ m, Electropolished.

Other Surfaces

Not greater than 60 pinches, 1.5 μ m.

SEAL MATERIAL

Elastomer soft sealing specifically developed for food & pharmaceutical industries.

Compliant to

1. FDA 21 CFR 177.2600
2. United States Pharmacopoeia (USP) Class VI
3. SP3A Sanitary Standards for Multiple Use Rubber Dairy Equipment No 18-03.

CONNECTIONS

Inlet

Tri-Clamp® compatible generally in accordance with ASME BPE 2005 & BS 4825-3.

Outlet

Pipe threads (G) where pressure tight joints are not made on the thread in accordance with BS EN ISO 228. For other threads & Clamp connections consult Seetru.



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SHT 2 OF 2 SHTS