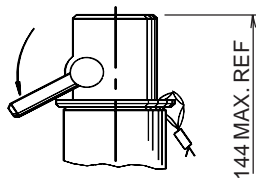


ALTERNATIVE TOP FITTING



TYPE SL  
SEALED LEVER  
EASING GEAR

PARTS LIST & MATERIAL SPECIFICATION

		68010
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. 97/23/EC  
 Type examination module B, Cert. No. 2002/048/8923  
 Quality management system module D, Cert. No. EDS 0002011/01.  
 Designed in accordance with BS 6759 & 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<sup>2</sup>  
 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) 117 927 9204, FAX +44 (0) 117 929 8193  
 www.seetru.com enquiries@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 68013 DATA SHEET, FOR LOWER FLOWS REFER TO SEETRU

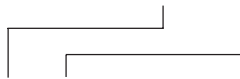
SET PRESSURE Bar.g	0.76	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
RATED DISCHARGE *CAPACITY IN ACCORDANCE WITH BS6759 WATER AT 15°C (kg/hr)	2075	3367	4761	5831	6733	7528	8246	8907	9522	10100	10650	11170	11660	12140	12600	13040

\* 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)	68010A	5748	5838
3/4" CLAMP			5758	5848
1" CLAMP			5768	5858



Example: Ordering code **68010A 5748** 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<sub>a</sub> Max 15 μinches, 0.4 μm, Electropolished.

### Other Surfaces

Not greater than 60 μinches, 1.5 μm.

## SEAL MATERIAL

Elastomer soft sealing specifically developed for food & pharmaceutical industries.

Complaint 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