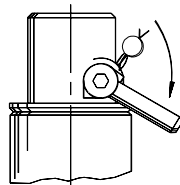


ALTERNATIVE TOP FITTING



TYPE SL  
SEALED LEVER  
EASING GEAR

PARTS LIST & MATERIAL SPECIFICATION

		97010	98010
1	SEAT	BRASS	ST.STL.
2	DISC	ST.STL. 316	ST.STL. 440B
3	BALL	ST.STL.	
4	DISC HOLDER	ST.STL.	
5	PLUNGER	ST.STL.	
6	BODY	BRASS	ST.STL.
7	SPRING	ST.STL.	
8	ADJUSTER	BRASS	ST.STL.
9	SPINDLE	ST.STL.	
10	CAP	BRASS	ST.STL.
11	WIRE & SEAL	ST.STL. & LEAD	
12	COVER	BRASS	ST.STL.

APPROVALS

P.E.D. 97/23/EC

Type examination module B, Cert No. 2003/04/9274

Quality examination system module D, Cert No. EDS 0002011/01

Designed in accordance with BS 6759 and ISO 4126-1:1991.

TECHNICAL DATA

Relieving pressure = Set Pressure +10%  
 Reseating pressure = Set Pressure -20% or 0.6 below 3 Bar.g.  
 Maximum set pressure = 28 Bar.g.  
 Minimum set pressure = 0.3 Bar.g.  
 Flow area = 78.5 mm<sup>2</sup>  
 Inlet bore diameter = 10 mm  
 Derated coefficient discharge of water below 100°C  $K_{dr} = @ 10\% = 0.48$   
 Leak tightness at 90% set pressure to API 527 and in accordance with BS6759 Part 3 1984, Table 9 Grade 2. Greater leak tightness may be achieved on request.  
 Maximum temperature = 250°C Note: For sealed top fittings, max. temp. dependent on seal material.  
 FOR FURTHER INFORMATION, INSTALLATION AND OPERATION INSTRUCTIONS, CONVERSION FACTORS 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 enquires@seetru.com

10mm Nominal Bore METAL SEAL  
 DIRECT SPRING LOADED ENCLOSED  
 DISCHARGE SAFETY VALVE FOR LIQUIDS

ENCLOSED DISCHARGE  
 10mm NOMINAL BORE SERIES  
 TYPE 97010 BRASS  
 TYPE 98010 ST.STL.

SHEET 1 OF 2 SHEETS

## FLOW CHART

- TO CALCULATE INTERMEDIATE FLOWS SEE TECHNICAL INFORMATION SECTION  
 - FOR GREATER FLOWS REFER TO 15mm BORE TYPE 97015 DATA SHEET.

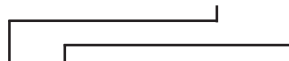
SET PRESSURE Bar.g	3	4	5	6	7	8	9	10	15	20	25	28
RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH BS6759, WATER BELOW 100°C AT 10% ACCUMULATION (Litres/min)	58	67	74	82	89	95	100	106	130	150	167	177

\* DISCHARGING TO ATMOSPHERE

## VALVE SELECTION CHART

Standard thread sizes shown, other sizes may be available

INLET CONNECTION	OUTLET CONNECTION	ORDERING CODE	TOP FITTING CODE	
			S	SL
G 1/2 (1/2" BSP PARALLEL MALE)	G 1 (1" BSP PARALLEL)	97010A	127	407
R 1/2 (1/2" BSP TAPER MALE)		98010A	128	408
G 1/2 (1/2" BSP PARALLEL FEMALE)		97010D 98010D	127	407



Example 1: Ordering code 97010A 127 3 is Brass seated, Sealed Basic type S, with 1/2" BSP parallel MALE inlet connection, 1" BSP parallel outlet connection, with Viton® O'ring sealing.

Example 2: Ordering code 97010D 127 3 is Brass seated, Sealed Basic type S, with 1/2" BSP parallel FEMALE inlet connection, 1" BSP parallel outlet connection, with Viton® O'ring sealing.

## O'RING SEAL CHART

O'RING MATERIAL	10th DIGIT	MAX. STATIC TEMP. °C	MIN. STATIC TEMP. °C
NITRILE	1	150	-30
VITON®	3	250	-20
SILICONE	4	250	-50
NEOPRENE	5	120	-40
E.PROPYLENE	6	150	-40

Note: For valve types 'S' & 'SL', digits '1 - 6' indicates the required 'O'ring material dependent on the maximum / minimum static temperature.

Example: Ordering code 97010A 407 3 is a Brass seated, Sealed lever lift type SL, 1/2" BSP parallel MALE inlet connection, 1" BSP parallel outlet connection, with Viton® 'O'ring seals.



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SHEET 2 OF 2 SHEETS