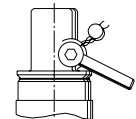


ILLUSTRATED SHOWING
TYPE S
SEALED BASIC
NO EASING GEAR

ALTERNATIVE
TOP FITTING



TYPE SL
SEALED LEVER
EASING GEAR

PARTS LIST & MATERIAL SPECIFICATION

		97025	98025
1	SEAT	BRASS	ST.STL.
2	BODY	ST.STL.	
3	DISC	ST.STL. 316	ST.STL. 440B
4	BALL	ST.STL.	
5	DISC HOLDER	ST.STL.	
6	PLUNGER	ST.STL.	
7	SPRING HOUSING	BRASS	ST.STL.
8	SPRING	ST.STL.	
9	SPINDLE	ST.STL.	
10	ADJUSTER	BRASS	ST.STL.
11	CAP	BRASS	ST.STL.
12	COVER	BRASS	ST.STL.
13	WIRE & SEAL	ST.STL. & LEAD	

APPROVALS

P.E.D. 97/23/EC
 Type examination module B, Cert. No. 2003/04/9274
 Quality management system module D, Cert. No. EDS 0002011/01.
 Designed in accordance with BS6759 & ISO 4126.

TECHNICAL DATA

Relieving pressure = Set pressure +10%
 Reseating pressure = Set pressure -20%, or 0.6 below 3 Bar.g.
 Maximum set pressure = 23.5 Bar.g.
 Minimum set pressure = 0.48 Bar.g.
 Flow area = 491 mm²
 Inlet bore diameter = 25 mm
 Derated coefficient discharge of water below 100°C K_{dr} = @ 10% = 0.507
 Leak tightness at 90% set pressure to API 527 and in accordance with BS 6759 Part 3 1984, Table 9 Grade 2.
 Greater leak tightness may be achieved on request.
 Max. temperature = 250°C Note: For sealed top fittings, max. temp. dependent on seal material.
 FOR FURTHER INFORMATION, INSTALLATION AND OPERATIONS, CONVERSION FACTORS ETC.
 SEE TECHNICAL INFORMATION.



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

25mm Nominal Bore METAL SEAL
 DIRECT SPRING LOADED ENCLOSED
 DISCHARGE SAFETY VALVE FOR LIQUIDS

ENCLOSED DISCHARGE
 25mm NOMINAL BORE SERIES
 TYPE 97025 BRASS
 TYPE 98025 ST.STL.

FLOW CHART

-TO CALCULATE INTERMEDIATE FLOWS SEE TECHNICAL INFORMATION SECTION
 -FOR LESSER FLOWS REFER TO 20mm BORE TYPE 97020 DATA SHEET.

SET PRESSURE Bar.g	3	4	5	6	7	8	9	10	15	20	23.5
RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH BS6759, WATER BELOW 100°C AT 10% ACCUMULATION (Litres/min)	383	443	495	542	585	626	664	700	857	990	1073

* DISCHARGE 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 (1" BSP PARALLEL MALE)	G 2 (2" BSP PARALLEL)	97025A 98025A	133	413
R 1 (1" BSP TAPER MALE)			134	414
G 1 (1" BSP PARALLEL FEMALE)		97025D 98025D	133	413

Example 1: Ordering code 97025A 413 3 is Brass seated, Sealed Basic type 'S', with 1" BSP parallel MALE inlet connection, 2" BSP parallel outlet connection with 3 indicating Viton® 'O'ring seals.

Example 2: Ordering code 97025D 413 3 is Brass seated, Sealed Basic type 'S', with 1" BSP parallel FEMALE inlet connection, 2" BSP parallel outlet connection with 3 indicating Viton® 'O'ring seals.

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 type 'S' & 'SL', digits '1-6' indicates the required 'O'ring material dependent on the maximum /minimum static temperature.



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

25mm Nominal Bore METAL SEAL
 DIRECT SPRING LOADED ENCLOSED
 DISCHARGE SAFETY VALVE FOR LIQUIDS

ENCLOSED DISCHARGE
 25mm NOMINAL BORE SERIES
 TYPE 97025 BRASS
 TYPE 98025 ST.STL.

SHEET 2 OF 2 SHEETS