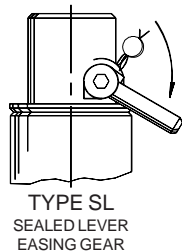


ILLUSTRATED SHOWING
TYPE S
SEALED BASIC
NO EASING GEAR

ALTERNATIVE TOP FITTINGS



TYPE SL
SEALED LEVER
EASING GEAR

PARTS LIST & MATERIAL SPECIFICATION

		97020	98020
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	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. 2003/03/9274

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

Designed in accordance with BS6759 Pt 3:1984 and ISO 4126-1:1991.

TECHNICAL DATA

Relieving pressure = Set pressure +10%
 Reseating pressure = Set pressure -20% or 0.6 Bar.g below 3 Bar.g.
 Maximum set pressure = 36 Bar.g.
 Minimum set pressure = 0.6 Bar.g.
 Flow area = 314mm²
 Inlet bore diameter = 20mm
 Derated coefficient of discharge of water below 100°C K_{dr} = @ 10% = 0.503
 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 enquiries@seetru.com

20mm Nominal Bore METAL SEAL
 DIRECT SPRING LOADED ENCLOSED
 DISCHARGE SAFETY VALVE FOR LIQUIDS

SHEET 1 OF 2 SHEETS

ENCLOSED DISCHARGE
 20mm NOMINAL BORE SERIES

TYPE 97020 BRASS
 TYPE 98020 ST.STL.

FLOW CHART

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

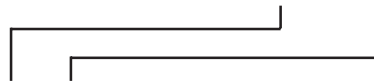
SET PRESSURE Bar.g	0.6	1.0	3	4	5	6	7	8	9	10	15	20	25	30	35	36
RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH BS6759, WATER BELOW 100°C AT 10% ACCUMULATION (Litres/min)	109	140	243	281	314	344	372	397	422	444	544	628	703	770	831	843

* 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)	97020A 98020A	133	413
R 1 (1" BSP TAPER MALE)			134	414
G 3/4 (3/4" BSP PARALLEL FEMALE)		97020D 98020D	130	410



Example 1: Ordering code 97020A 130 3 Brass seated, Sealed Basic Type S, 1" BSP parallel MALE inlet connection, 2" BSP parallel outlet connection, 3 indicates Viton® 'O'ring material

Example 2: Ordering code 97020D 130 3 Brass seated, Sealed Basic Type S, 3/4" BSP parallel FEMALE inlet connection, 2" BSP parallel outlet connection, 3 indicates Viton® 'O'ring material

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' digit's '1 - 6' indicates the required 'O'ring material dependent on maximum / minimum static temperature.



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ENCLOSED DISCHARGE
 20mm NOMINAL BORE SERIES
 TYPE 97020 BRASS
 TYPE 98020 ST.STL.

SHEET 2 OF 2 SHEETS