PARTS LIST & MATERIAL SPECIFICATION

1	BODY	BRASS			
2	TUTCHTITE SEAL	TO SUIT APPLICATION			
3	SPRING	ST.STL.			
4	CAP	BRASS			
5	PLUNGER	BRASS			
6	SET SCREW	STEEL			
7	WIRELOCKING	ST.STL. & LEAD			

APPROVALS

Designed in accordance with ISO 4126-1:1991 P.E.D. 97/23/EC Type examination module B, Cert No. 2002/034/8878/2 Quality management system module D, Cert. No. EDS0002011/01

TECHNICAL DATA

Relieving pressure	= Set pressure + 10%
Reseating pressure	= Set pressure - 15%
Maximum set pressure	= 134.5 Bar.g
Minimum set pressure	= 20.6 Bar.g
Flow area	= 8.0 mm ²
Inlet bore diameter	= 3.2 mm
Derated coefficient of discharge K _{dr}	= 0.54
Temperature Range	= -50°C to 200°C subject to seal material.
FOR FURTHER INFORMATION, INSTALLATION	NAND OPERATION INSTRUCTIONS, CONVERSION FACTORS ETC.

SEE TECHNICAL INFORMATION SECTION.

FLOW CHART

TO CALCULATE INTERMEDIATE FLOWS SEE TECHNICAL INFORMATION SECTION

FOR GREATER FLOWS REFER TO 8mm BORE LOW PRESSURE TYPE 61682 or 33110 DATA SHEETS, FOR LOWER FLOWS REFER TO SEETRU

SET PRESSURE Bar.g	20.6	30	40	50	60	70	80	90	100	110	120	130	134.5
RATED DISCHARGE CAPACITY ACCORDANCE WITH BS 6759, AIF 15°C AND 1013 mbar Std.Litres/	R AT 19.7	28.4	37.6	46.8	56.0	65.1	74.3	83.5	92.7	101.9	111.0	120.2	124.4

VALVE SELECTION CHART

Standard thread sizes shown, other sizes may be available

	ORDERING	TOP FITTING CODE						
CONNECTION	CODE	SL						
R 1/4 (1/4" BSP TAPER)	31180	0703						
G 1/4 (1/4" BSP PARALLEL)	31160	0203						
Example:								

Example:

Ordering code 31180 0703 is Spindle lift type easing gear. 1/4" BSP taper inlet connection,

wirelocked with Viton® seals.

Seal material: Last digit of ordering code calls up Viton® seal (since this is the most universal type).

When other material is required last digit changes to:-

1.NITRILE 5. NEOPRENE 3. VITON® 6. ETHYLENE PROPYLENE

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

SEETRU LIMITED ALBION DOCKSIDE WORKS, BRISTOL, BS16UT TELEPHONE +44 (0) 117 927 9204, FAX +44 (0) 117 929 8193 www.seetru.com enquires@seetru.com

3mm Nom, Bore BRASS CONSTRUCTION DIRECT SPRING LOADED ATMOSPHERIC DISCHARGE SAFETY VALVE FOR COMPRESSED AIR OR GASES

ATMOSPHERIC DISCHARGE **MINISERIES** HIGHPRESSURE **TYPE 31180**

EDITION E. 21.03.11

SEETRU

22

<u>1</u>9 A/F HEX

ILLUSTRATED SHOWING TYPE SL

SPINDLE LIFT EASING GEAR

3

4

5

2

1

7

6

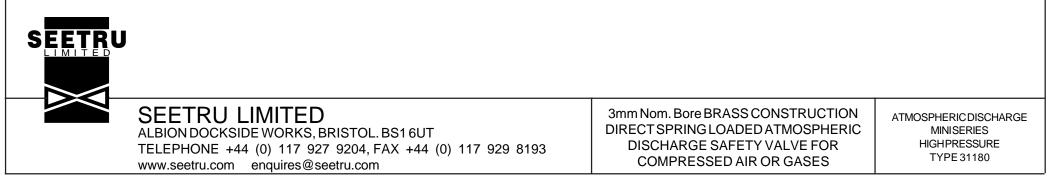
42 LIFTED

INLET

CONNECTION

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EDITION:E **REVISION LOG FOR 31180** Edition Date Letter Details of change. 26.06.92 А First edition. Produced on Desk Top Publishing equipment. 26.11.92 В 'Greater Flows' reference was 61681, now 61682 / 33110. 20.08.97 С Flow Chart was corrected. Max. set pressure was 96.5 Bar.g. now 110 Bar.g. Data Sheet updated & produced by the Design Office. Mod. Request DS-068. D Data sheet updated, Hanover Place - removed from address. Web site & e-mail address added to template. P.E.D. approval's added to 27.05.03 list. Max set pressure was 110 Bar.g, min set press was 20.7 Bar.g. Kdr was 0.40 now 0.54, flow chart altered to suit. Wirelocked spindle lift option deleted. Dim 40 now 42 lifted. 'Statement on amendment of specification' added to template. Mod. Request DS-202. 21.03.11 Е Due to approvals, the Data Sheet should show Wire locking! Valve now shown wirelocked, VSC edited to show correct codes for wirelocked bodies, was 060 3 & 010 3. [DATA SHEETS ARE NOW MODIFIED UNDER STANDARD MOD. No. SYSTEM] Mod No. 6143



EDITION E. 21.03.11

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