



APPROVALS

P.E.D. 97/23/EC
 Type examination module B, Cert. No. 2002/036/8878/1
 Quality management system module D, Cert. No. EDS 0002011/01
 Designed in accordance with ISO 4126-1:1991.

TECHNICAL DATA

Relieving pressure = Set pressure + 10%
 Reseating pressure = Set pressure - 15%
 Maximum set pressure = 33020 / 34020 = 103.4 Bar.g
 Minimum set pressure = 33020 / 34020 = 55 Bar.g
 Flow area = 40.04 mm²
 Inlet bore diameter = 0.281" (7.14mm)
 Derated coefficient of discharge, K_{dr} AIR = 0.67
 Temperature range = -50°C to 200°C subject to seal material.

PARTS LIST & MATERIAL SPECIFICATION

		33020	34020
1	SEAT	ST.STL.	
2	BODY	BRASS	ST.STL.
3	DISC SEAL	TO SUIT APPLICATION	
4	PLUNGER	ST.STL.	
5	SPINDLE	ST.STL.	
6	SPRING	ST.STL.	
7	ADJUSTER	BRASS	ST.STL.
8	WIRE & SEAL	ST.STL. & LEAD	
9	CAP	BRASS	ST.STL.
10	COVER	ST.STL.	

VALVE SELECTION CHART

STANDARD THREAD SIZES SHOWN, OTHER SIZES MAY BE AVAILABLE.

INLET CONNECTION	OUTLET CONNECTION	TYPE	TOP FITTING CODE
			SB
G 3/8 (3/8" BSP PARALLEL)	G 1/2 (1/2" BSP PARALLEL)	33020 34020	0201
			0182
R 3/8 (3/8" BSP TAPER)	R 1/2 (1/2" BSP TAPER)		1201
			2202
G 1/2 (1/2" BSP PARALLEL)	G 1/2 (1/2" BSP PARALLEL)		3203
R 1/2 (1/2" BSP TAPER)	R 1/2 (1/2" BSP TAPER)		
1/2" NPT	1/2" NPT		

Example:

Ordering code 33020 020 1 is a Sealed Basic wirelock with 3/8" BSP inlet connection & 1/2" BSP outlet connection.

Seal Materials:

Consult Seetru for full range of available seal materials.

FLOW CHART

- TO CALCULATE INTERMEDIATE FLOWS SEE TECHNICAL INFORMATION SECTION.

SET PRESSURE Bar.g	55	60	65	70	75	80	85	90	95	100	103.4
RATED DISCHARGE CAPACITY IN ACCORDANCE WITH BS 6759, AIR AT 15°C AND 1013 mbar Std.Litres/s	317	345	374	402	431	459	487	516	544	573	592



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1/4" Nominal Bore BRASS CONSTRUCTION
 DIRECT SPRING LOADED ENCLOSED
 DISCHARGE SAFETY VALVE FOR
 COMPRESSED AIR OR GASES

ENCLOSED DISCHARGE
 1/4" NOMINAL BORE
 TYPE 33020 BRASS/ST.STL.
 TYPE 34020 ST.STL.