



ILLUSTRATED SHOWING  
TYPE B  
BASIC SEALED WIRELOCK  
NO EASING GEAR

### 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.

### APPROVALS

P.E.D. 2014/68/EU

Type examination module B, Cert. No. 2002/036/8878/1

Quality management system module D, Cert. No. COV0812369/01

Designed in accordance with BS EN ISO 4126-1

### 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 mm <sup>2</sup>
Inlet bore diameter	= 0.281" (7.14mm)
Derated coefficient of discharge, K <sub>dr</sub> AIR	= 0.67
Temperature range	= -50°C to 200°C subject to seal material.

### 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
R 3/8 (3/8" BSP TAPER)	R 1/2 (1/2" BSP TAPER)		0182
G 1/2 (1/2" BSP PARALLEL)	G 1/2 (1/2" BSP PARALLEL)		1201
R 1/2 (1/2" BSP TAPER)	R 1/2 (1/2" BSP TAPER)		2202
1/2" NPT	1/2" NPT		3203

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



## SEETRU LIMITED

ALBION DOCKSIDE WORKS, BRISTOL. BS1 6UT

TELEPHONE +44 (0) 117 930 6100, FAX +44 (0) 117 929 8193

www.seetru.com info@seetru.com

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.