

## Preparation of compressed air → Supplementary products

**Filling unit, pneumatically operated, Series AS2-SSU**

► 1/4 NPTF - 3/8 NPTF ► pipe connection ► suitable for ATEX



00119379

ATEX  
Parts

Version  
Working pressure min./max.  
Medium  
Medium temperature min./max.  
Ambient temperature min./max.  
Pilot  
Sealing principle  
Control pressure  
min./max.  
Max. particle size

Materials:

Housing  
Front plate  
Seals  
Threaded bushing

II 2G2D T4 X  
3/2-way valve, pneumatically operated,  
Filling valve  
Poppet valve, Can be assembled into blocks  
2.5 bar / 10 bar  
Compressed air  
-10 °C / +50 °C  
-10 °C / +50 °C  
internal  
soft sealing  
2.5 bar / 16 bar  
  
5 µm

Polyamide  
Acrylonitrile butadiene styrene  
Acrylonitrile Butadiene Rubber  
Die cast zinc

**Technical Remarks**

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Builds up pressure slowly in the pneumatic systems, i.e. prevents a sudden pressure build-up during a restart after a mains pressure failure or avoids emergency OFF switching. This also avoids dangerous, jerky cylinder movements.
- These pneumatic components with NPTF or inch thread dimensions are only available from our US sales organization

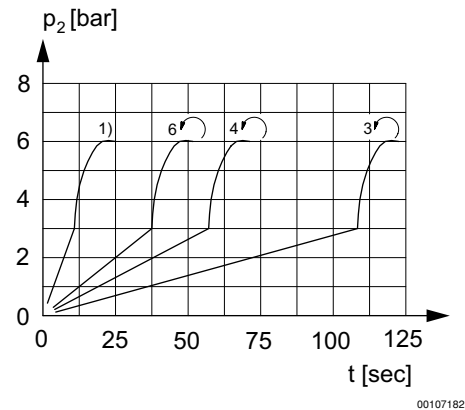
	Port	Exhaust	Qn			Weight	Part No.
				1 ► 2	2 ► 3		
			[l/min]			[kg]	
	1/4 NPTF						R432000850
	3/8 NPTF	1/4 NPTF	1300	1300	380	0.424	R432000856

Nominal flow Qn at p1 = 6.3 bar and Δp = 1 bar

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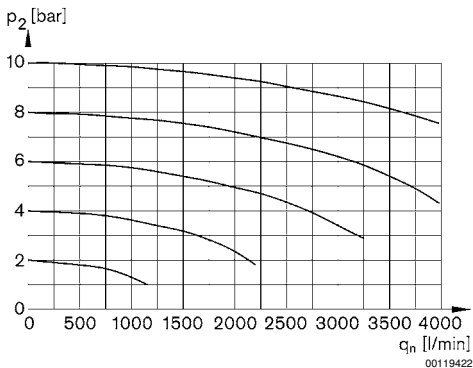
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Secondary pressure while filling



adjustable filling  
 1) Fully opened  
 $p_2$  = secondary pressure  
 $t$  = fill time

Flow rate characteristic

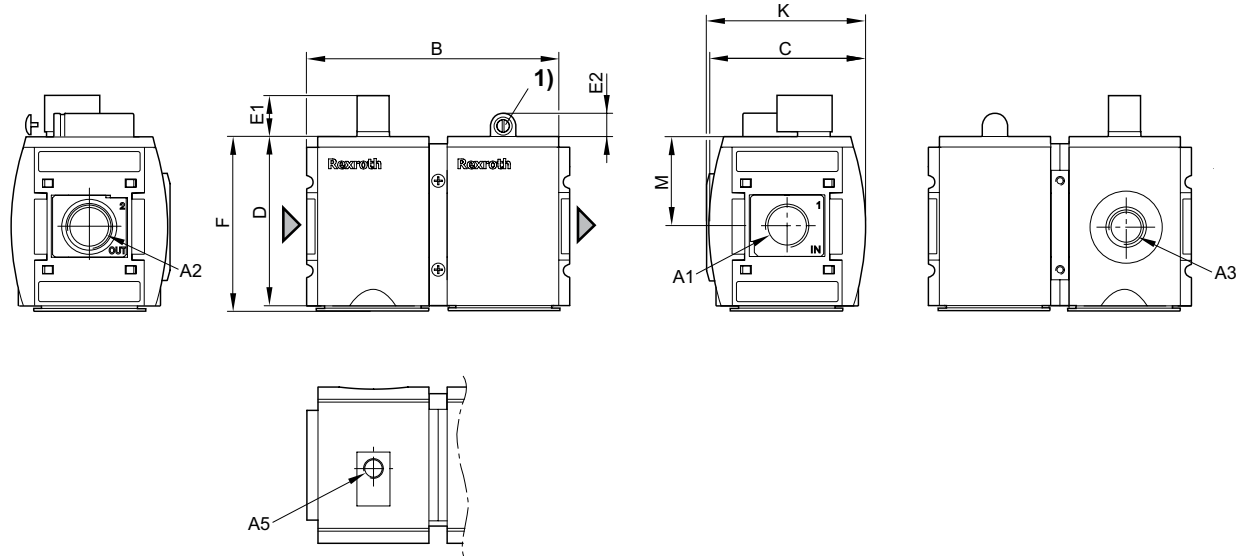


$p_2$  = secondary pressure  
 $q_n$  = nominal flow

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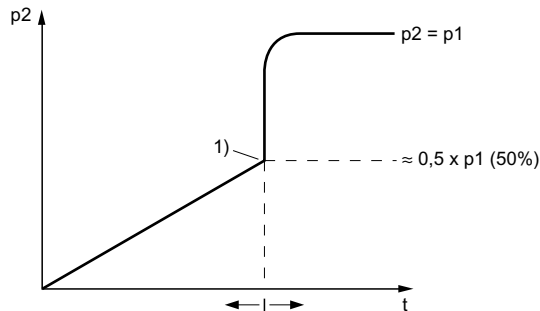
**Dimensions in inches**

00130384\_NPTF

A1 = input  
 A2 = output  
 A3 = ventilation port  
 A5 = pilot connection  
 1) Adjustment screw for filling time

**Dimensions in inches**

Part No.	A1	A2	A3	A5	B	C	D	E1	E2	F	K	M
R432000850	1/4 NPTF	1/4 NPT	1/4 NPT	G 1/8	4.09	2.32	2.56	0.67	0.43	2.64	2.4	1.34
R432000856	3/8 NPTF	3/8 NPT	1/4 NPT	G 1/8	4.09	2.32	2.56	0.67	0.43	2.64	2.4	1.34

**Start function**

00133950

$p_2$  = output pressure  
 $t$  = adjustable filling time  
 1) Switching point