

FEATURES

- The pressure relief valves satisfy Pressure Equipment Directive 2014/68/EU

GENERAL

Operating pressure

1/4: 2 to 10 bar / 8 to 15 bar [1 bar = 100 kPa]

1/2: 2 to 7 bar / 6 to 12 bar

Ambient temperature range

-20°C to +105°C

fluids (*)	temperature range (TS)	seal materials (*)
clean dry air or dry inert gas	-20°C to +105°C	NBR (nitrile)

MATERIALS IN CONTACT WITH FLUID

(*) Ensure that the compatibility of the fluids in contact with the materials is verified

Body AISI 316L

Seals NBR

HOW TO ORDER

U 800 A 700 01 N00 F1

Thread connection

U = External NPT

Product series

800

Revision letter

A

Pipe Size / Body Material

700 = 1/4 316 SS Pressure Relief Valve

702 = 1/2 316 SS Pressure Relief Valve

Pressure Range type

01 = 1/4 Pressure Relief Valve Setting 10,1 to 15 bar (L1 to R0)

02 = 1/4 Pressure Relief Valve Setting 2 to 10 bar (C0 to L0)

03 = 1/2 Pressure Relief Valve Setting 7,1 to 12 bar (H1 to N0)

04 = 1/2 Pressure Relief Valve Setting 2 to 7 bar (C0 to H0)

Elastomer

N00 = NBR

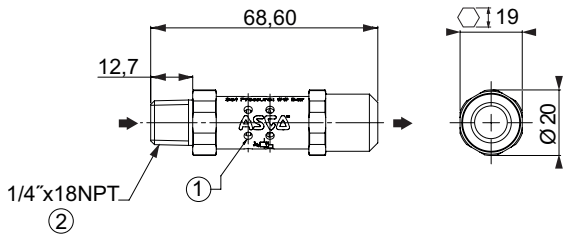
Pressure Settings

C0 = 2 bar	G0 = 6 bar	L0 = 10 bar	Q0 = 14 bar
C1 = 2,1 bar	G1 = 6,1 bar	L1 = 10,1 bar	Q1 = 14,1 bar
C2 = 2,2 bar	G2 = 6,2 bar	L2 = 10,2 bar	Q2 = 14,2 bar
C3 = 2,3 bar	G3 = 6,3 bar	L3 = 10,3 bar	Q3 = 14,3 bar
C4 = 2,4 bar	G4 = 6,4 bar	L4 = 10,4 bar	Q4 = 14,4 bar
C5 = 2,5 bar	G5 = 6,5 bar	L5 = 10,5 bar	Q5 = 14,5 bar
C6 = 2,6 bar	G6 = 6,6 bar	L6 = 10,6 bar	Q6 = 14,6 bar
C7 = 2,7 bar	G7 = 6,7 bar	L7 = 10,7 bar	Q7 = 14,7 bar
C8 = 2,8 bar	G8 = 6,8 bar	L8 = 10,8 bar	Q8 = 14,8 bar
C9 = 2,9 bar	G9 = 6,9 bar	L9 = 10,9 bar	Q9 = 14,9 bar
D0 = 3 bar	H0 = 7 bar	M0 = 11 bar	R0 = 15 bar
D1 = 3,1 bar	H1 = 7,1 bar	M1 = 11,1 bar	
D2 = 3,2 bar	H2 = 7,2 bar	M2 = 11,2 bar	
D3 = 3,3 bar	H3 = 7,3 bar	M3 = 11,3 bar	
D4 = 3,4 bar	H4 = 7,4 bar	M4 = 11,4 bar	
D5 = 3,5 bar	H5 = 7,5 bar	M5 = 11,5 bar	
D6 = 3,6 bar	H6 = 7,6 bar	M6 = 11,6 bar	
D7 = 3,7 bar	H7 = 7,7 bar	M7 = 11,7 bar	
D8 = 3,8 bar	H8 = 7,8 bar	M8 = 11,8 bar	
D9 = 3,9 bar	H9 = 7,9 bar	M9 = 11,9 bar	
E0 = 4 bar	J0 = 8 bar	N0 = 12 bar	
E1 = 4,1 bar	J1 = 8,1 bar	N1 = 12,1 bar	
E2 = 4,2 bar	J2 = 8,2 bar	N2 = 12,2 bar	
E3 = 4,3 bar	J3 = 8,3 bar	N3 = 12,3 bar	
E4 = 4,4 bar	J4 = 8,4 bar	N4 = 12,4 bar	
E5 = 4,5 bar	J5 = 8,5 bar	N5 = 12,5 bar	
E6 = 4,6 bar	J6 = 8,6 bar	N6 = 12,6 bar	
E7 = 4,7 bar	J7 = 8,7 bar	N7 = 12,7 bar	
E8 = 4,8 bar	J8 = 8,8 bar	N8 = 12,8 bar	
E9 = 4,9 bar	J9 = 8,9 bar	N9 = 12,9 bar	
F0 = 5 bar	K0 = 9 bar	P0 = 13 bar	
F1 = 5,1 bar	K1 = 9,1 bar	P1 = 13,1 bar	
F2 = 5,2 bar	K2 = 9,2 bar	P2 = 13,2 bar	
F3 = 5,3 bar	K3 = 9,3 bar	P3 = 13,3 bar	
F4 = 5,4 bar	K4 = 9,4 bar	P4 = 13,4 bar	
F5 = 5,5 bar	K5 = 9,5 bar	P5 = 13,5 bar	
F6 = 5,6 bar	K6 = 9,6 bar	P6 = 13,6 bar	
F7 = 5,7 bar	K7 = 9,7 bar	P7 = 13,7 bar	
F8 = 5,8 bar	K8 = 9,8 bar	P8 = 13,8 bar	
F9 = 5,9 bar	K9 = 9,9 bar	P9 = 13,9 bar	

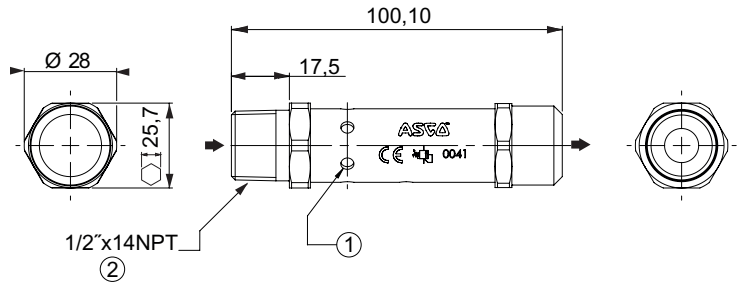


DIMENSIONS (mm), WEIGHT

U800A700



U800A702

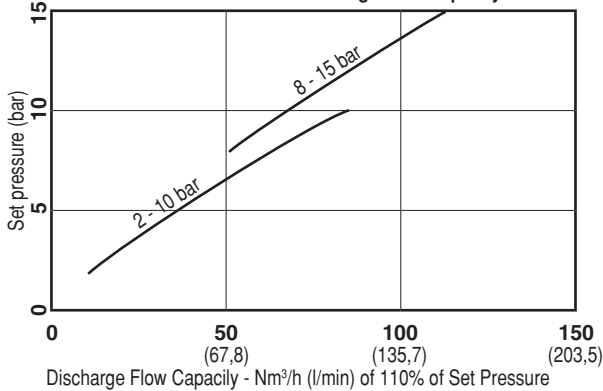


catalogue number	Ø A	weight
U800A700	1/4 NPT	0,08
U800A702	1/2 NPT	0,25

- ① Outlet 1 rows of venting holes to atmosphere
- ② Male thread

Typical Performance - U800A700##NOO##

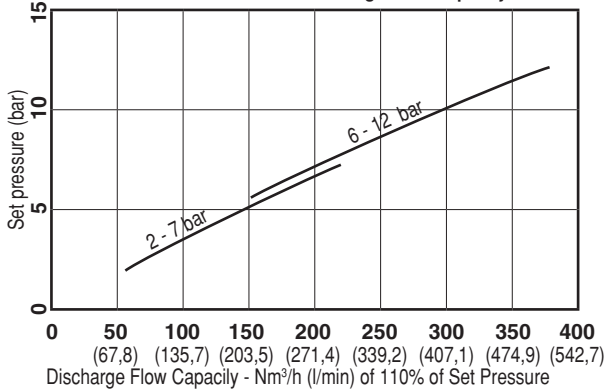
Set Pressure vs. Discharge Flow Capacity



Typical performance based on air (at 20°C)

Typical Performance - U800A702##NOO##

Set Pressure vs. Discharge Flow Capacity



Typical performance based on air (at 20°C)