EV METALVÆRK - Reliability & safety

Manufacturer: EV METALVÆRK A/S RIBOVEJ 1, 6950 RINGKØBING DENMARK.	Data sheet	**Product name:**	Pilot Trip Valve
		Article number:	1000-1001
		Valve Type:	Needle w/metal seat
		Date:	08/12-2020
		Author initials:	TBT
		Revision:	01

Description 1	Data	Description 2	Data
Valve type:	Needle valve, Locked with safety split		
Valve size:	¼"	Marking on valve body	Brand: EVMETAL.DK Flow direction Part Number Max. pressure 35 bar Production no. - valve no.
Design pressure:	30 bar	Material certificate:	EN 10204 – 3.1
Working pressure:	Maximum 30 bar	Medium/fluid:	Gas/Water/Oil
Design temperature:	-10 deg. C. / +45 deg. C.	Tests: Shell test Tightness test Trip test	 1,5 x PN according to EN12266-1, Test P10 & P11. Test fluid: water 1,1 x PN according to EN12266-1, Test P12, leak rate A. Test fluid: water 2 bar closing pressure. Test fluid: compressed air.
Working temperature:	-10 deg. C. / +45 deg. C.	Documentation:	G.A. drawing with bill of materials (BOM). Instruction and operation manual. Declaration of conformity to PED. Test certificate for Shell test, Tightness test and Trip test.
Closing pressure:	2 bar	PED classification: Fluid group: PN x DN: Annex 2 Diagram 7:	(¼" NPT = DN8) 2 30 x 8 = 240 Article 4 sec. 3.
Valve Dimensions: Inlet orifice: Bore Outlet orifice: Bore	 Diameter: 4 mm. Diameter: 6 mm.	Standard:	PED 2014/68/EU

EV METALVÆRK - Reliability & safety

Description 1	Data	Description 2	Data
Length:	36 mm	Certification: Notified body Design validation 3rd party inspection	 N.A. EV Metalværk A/S Up on request
Hight:	211 mm		
Width:	60 mm		
Connections/valve: ends Inlet Outlet	 ¼" NPT ASME B1.20.1 ¼" NPT ASME B1.20.1		
Materials: Body Seal Seat Stem Spring Handle	 1.4404, AISI316L NBR or FKM N.A. (as body) 1.4404, AISI316L 1.4310, AISI301 1.4404, AISI316L		

Product description

The valve is put into service with the stem in locked position. The stem is locked with a pin. When the service conditions are reached and the pressure is stable, the lock pin is removed.
If the pressure on the outlet side of the valve drops below 2 bars the valve will close and remain closed until it is manually reset.

Photo

Drawing