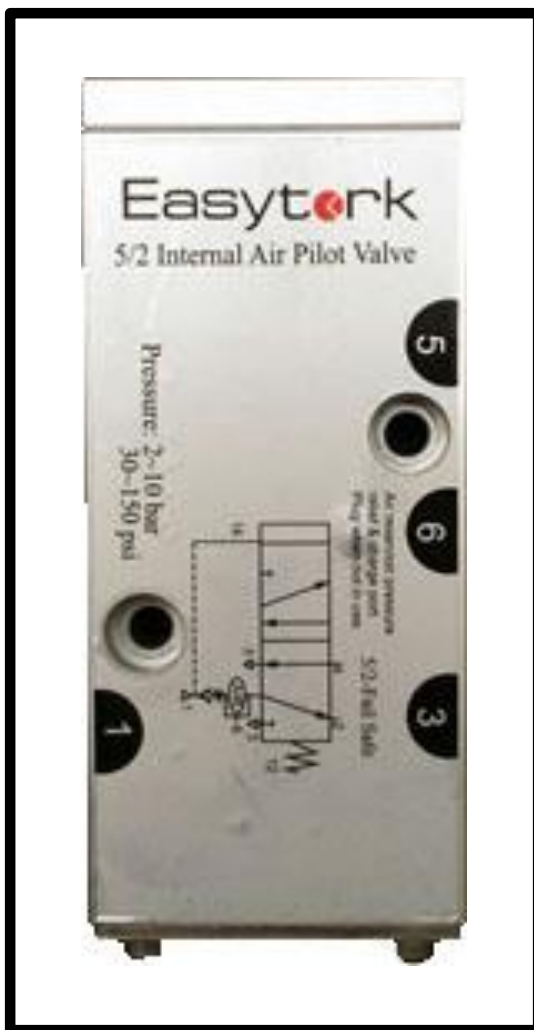


Air Pilot Valve EPV Series



Engineered for
actuators with
onboard reservoirs

Easytork Air Pilot Valve (“EPV”)

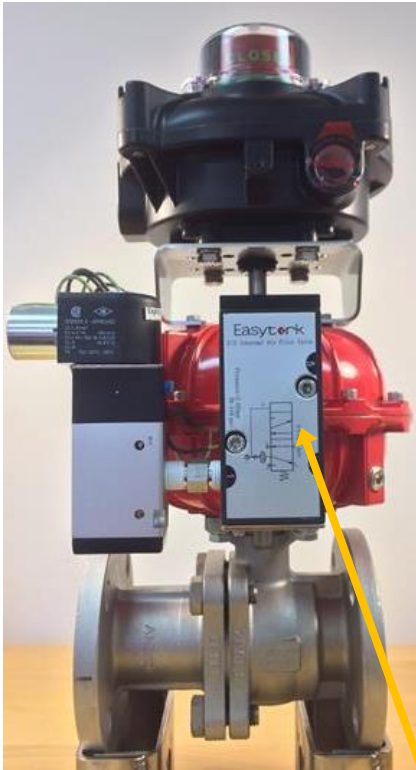
EPV is Easytork’s NAMUR compliant pilot valve to allow users to easily integrate air reservoir fail-safe systems with non-Easytork branded solenoid valve. The EPV is a 5/2 air pilot valve and can be nipple or remote mounted to any 3/2 solenoid valve, this allows users to achieve air reservoir fail-safe function without the need of an Easytork solenoid valve.

Access Easytork fail-safe with any NON-EASYTORK solenoid valve brand

Using any 3rd party 3/2 solenoid valve for fail-safe

Remote mount or nipple mount 3rd party 3/2 solenoid valve and still allow Easytork actuators to fail-safe with loss of supply air.

Nipple mount



Remote mount



EPV

Description: Both setups achieve fail-safe with Easytork actuator with a 3rd party 3/2 solenoid valve.

Patent pending

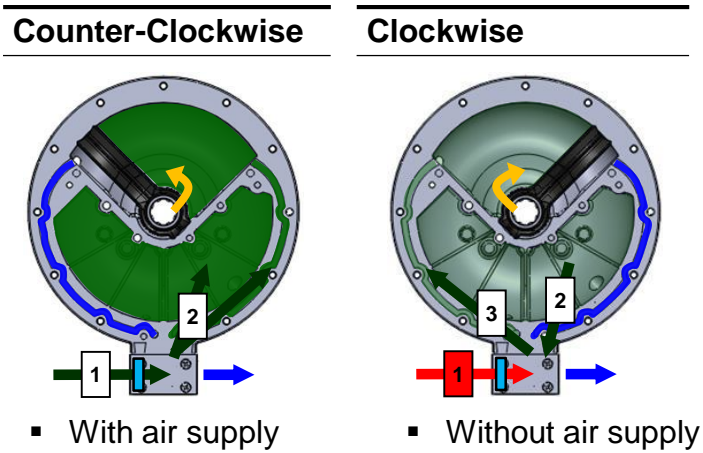
Easytork Air Pilot Valve ("EPV")

EPV benefits that improve your SYSTEMS

Ideal for corrosive / dirty environment

In fail-safe, environment air never enters the EPV through vacuum which is associated with other spring-return actuators.

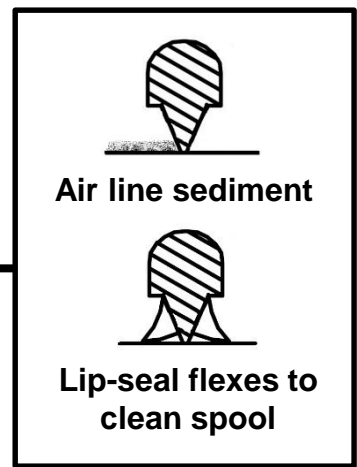
As seen in the EPV operation principle on the right, the actuator is always pushing instrument air out as the system has no spring to pull environment air in.



Improved resistance against poor instrument air

Dynamic sealing does not rely on O-rings. Instead, EPV utilizes bi-directional tapered lip-seal that wipes air line sediment and keeps spool surface clean. A high CV 1750l/min (Cv=1.8) further help remove sediments. This design also eliminates sticking problems and avoids spiral twist associated with O-rings.

EPV Spool



EPV benefits that improve your OPERATIONS

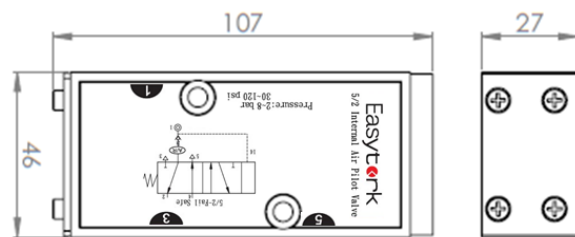
Specification friendly

Any 3/2 solenoid valve can be piped to the main air supply port of the EPV.

EPV Technical Specification

Operating pressure ⁽¹⁾	2 - 10 bar (30 - 150 psi)
Operating medium	Air (dry or lubricated)
Flow l/min (Cv) Port size: 1/4"	1750 l/min (Cv = 1.8)
Temperature range (standard)	-20°C to 80°C (-4°F to 176°F)
Temperature range (wide temp)	-40°C to 120°C (-40°F to 248°F)

Note (1): If required, consult factory for minimum pressure setting for over 2 bar (30 psi).



Note: Figures in mm

Ordering Codes

Easytork Air Pilot Valve

Prefix	Product Type	Model Number	EPV Attributes		
			Seal (Temp. Rating)	EPV Body Material (Corrosion Rating)	Thread
C	-	AP	-	X	X
C: Complete product	AP: Air pilot valve	1: EPV - Easytork air pilot valve 1E: EPV - Easytork air pilot valve w ith external port (For EVA-1646)	1: NBR seal (-20°C to 80°C or -4°F to 176°F) 3: Wide temp seal (-40°C to 120°C or -40°F to 248°F)	1: Standard version 2: Chemical resistant version	1: Imperial 2: Metric

About We believe in selling “easy”. Easytork brings differentiating features and benefits to the process control industry through our focus on innovation and quality. Easytork has been awarded numerous awards including: 2013 – Arch Grants Recipient 2015 – Accelerate St. Louis 2017 – Frost & Sullivan Product Innovation Award	Global Headquarters 2505 Metro Blvd, Suite A / B Maryland Heights, MO 63043 USA Main Tel: +1-314-266-6880 info@easytork.com www.easytork.com
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