



ASV700

Pneumatically Actuated Stop
Valve for High-pressure Gases
(DN15)



YOUR CREATIVE ENGINEERING PARTNER

ASV700

Pneumatically Actuated Stop Valve for High-pressure Gases

Series ASV700 is a Pneumatically Actuated Stop Valve, developed for use in high-pressure gas applications where reliability, long service life and leak integrity are critical.

Connection is via flanged adaptors which either have industry standard threaded ports or weld stub connections suitable for welding to pipework.

Hale Hamilton can provide connection adaptors to meet individual requirements on request.



HIGHLIGHTS

- > Conforms to Pressure Equipment Directive 97/23/EC (PED)
- > TPED (EN ISO 10297:2014 +A1,2017) approved
- > Exceptional leak integrity
- > Available with a range of port connections via addition of zero clearance flanges

IDEAL USES

- > Primary isolation of mobile or static storage
- > Vessels (hydrogen, CNG & biomethane)
- > Gas control panels
- > High-pressure test rigs

TPED
Approved

Maximum
Working Pressure
700 barg
(10,150 psig)

FEATURES, SPECIFICATIONS & OPTIONS

Position Switches

- > Provide feedback on valve position

Bi-Directional Valve

- > Enables flow in both directions

Flanges/Adaptors

- > Different flange adaptors/ threaded ports/weld stubs available

Actuator Speed Controller

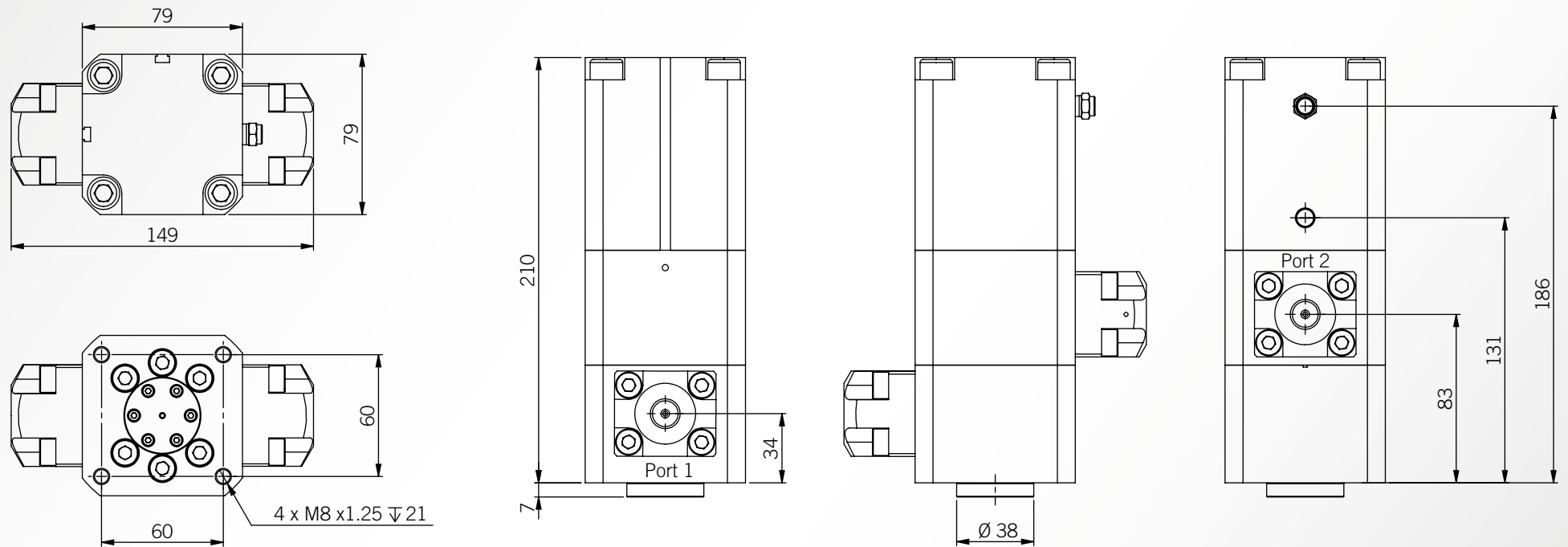
- > Allows for a compact design



PRODUCT SPECIFICATION DATA

Nominal Bore	DN15
Orifice Size	11mm
Inlet Rating	700 barg (10,150 psig)
Actuator Port	Rc 1/8"
Cv	2.5
Medium	Non-oxidising Industrial Gases Including Hydrogen
Design Pressure	875 barg
Temperature Range	-40°C – +65°C
Weight	7.1 kg
Leakage	Bubble Tight
Actuation Pressure	Min 5.5 barg Max 8 barg
Valve Body Material	Stainless Steel 316L
Actuator Body	Aluminium Alloy (Anodised)
Seals Material	PEEK, HNBR, PTFE, Nitrile

PRODUCT DIMENSIONS (IN MM)



OPERATING CODES & ORDERING INFORMATION

Valve Type	Series	INLET FLANGE		OUTLET FLANGE*		SWITCH OPTIONS	CLEANING	SPECIAL FEATURE
ASV	700	A	1/2" NPT - Female Stainless Steel	A	1/2" NPT - Female Stainless Steel		C2 - Commercial Clean	Omit if None
		F	3/4" Medium Pressure Female Stainless Steel	F	3/4" Medium Pressure Female Stainless Steel	No Switch Omit	C49 High Purity Clean	002 - Actuator Speed Controller
		G	1/4" Medium Pressure Female Stainless Steel	G	1/4" Medium Pressure Female Stainless Steel	1 - 1 Switch Open		003 - Fail Open
		H	1" XXS BUTT WELD, Stainless Steel	H	1" XXS BUTT WELD, Stainless Steel	2 - 1 Switch Closed		
		J	3/4" XXS BUTT WELD, Stainless Steel	J	3/4" XXS BUTT WELD, Stainless Steel	3 - 2 Switches		
		K	9/16" MP (13/16UN) Female Stainless Steel	K	9/16" MP (13/16UN) Female Stainless Steel			

*Only used if outlet flange different to inlet.

PRODUCT ORDERING INFORMATION

While placing the enquiry please advise the following

- > Ordering code
- > Gas type