



# ASV380 & ASV500 SERIES

Pneumatically Actuated  
Stop Valve  
(DN15)



**YOUR CREATIVE ENGINEERING PARTNER**

# ASV380 & ASV500 SERIES

## Pneumatically Actuated Stop Valve

Series ASV380/500 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

**ASV380**  
Maximum  
Working Pressure  
380 barg  
(5,500 psig)

**ASV500**  
Maximum  
Working Pressure  
500 barg  
(7,250 psig)

**TPED**  
Approved

# FEATURES, SPECIFICATIONS & OPTIONS

## Position Switches

- > Provide feedback on valve position

## Bi-Directional Valves

- > Enables flow in both directions

## Flanges/Adaptors

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

## Actuator Speed Controller

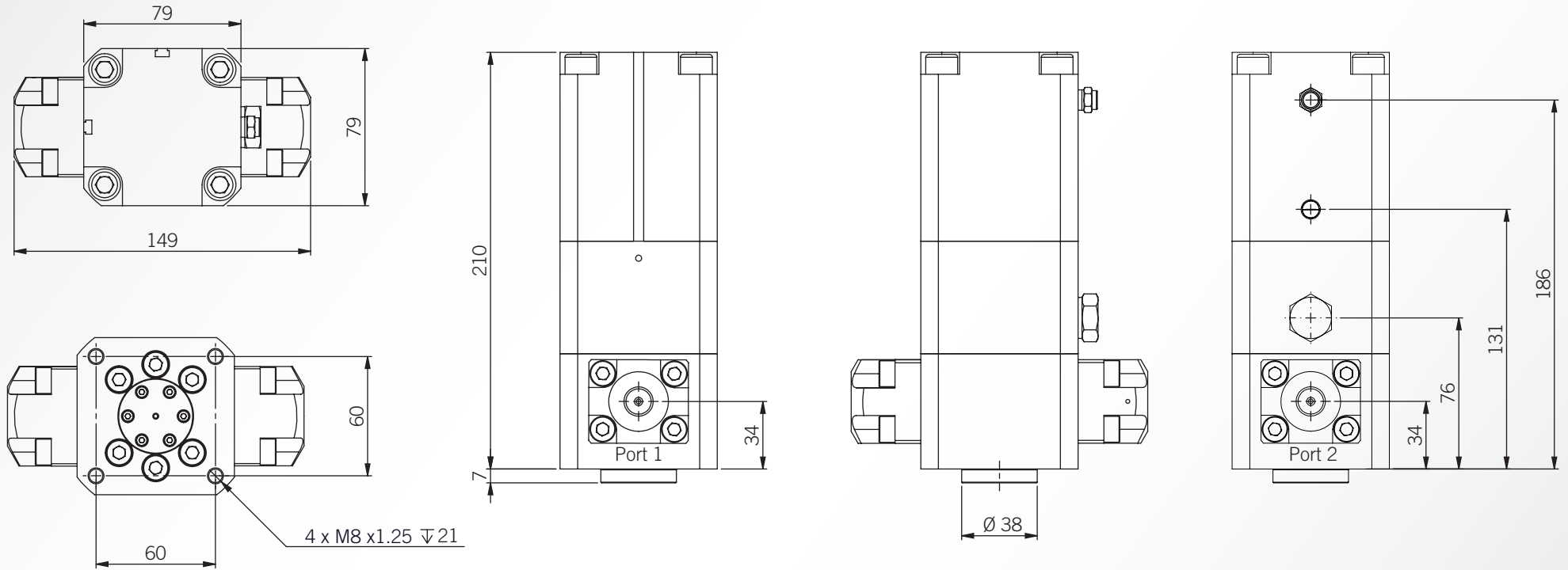
- > Allows for a compact design

Fail open version also available



FEATURE	ASV 380	ASV 500
Nominal Bore	DN15	DN15
Orifice Size	11mm	11mm
Working Pressure	380barg (5,500 psig)	500barg (7,250 psig)
Actuator Port	1/8" BSP Taper	1/8" BSP Taper
Cv	4.5	4.5
Medium	Hydrogen	Hydrogen
Design Pressure	475 barg	600 barg
Temperature Range	-40°C – +65°C	-40°C – +65°C
Weight	7.1 kg	7.1 kg
Leakage	Bubble Tight	Bubble Tight
Actuation Pressure	Min 5.5 barg Max 8 barg	Min 5.5 barg Max 8 barg
Valve Body	Stainless Steel 316L	Stainless Steel 316L
Actuator Body	Aluminium Alloy (Anodised)	Aluminium Alloy (Anodised)
Seals Material	PEEK, HNBR, PTFE, Nitrile	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	380	A	1/2" NPT - Female Stainless Steel	A	1/2" NPT - Female Stainless Steel		C2 - Commercial Clean	Omit if None
	500	C	3/4" NPT - Female Stainless Steel	C	3/4" NPT - Female Stainless Steel	No Switch Omit	C49 High Purity Clean	002 - Actuator Speed Controller
		D	1/2" BSP - 380 Only	D	1/2" BSP - 380 only	1 - 1 Switch Open		003 - Fail Open
		E	3/4" BSP - 380 Only	E	3/4" BSP - 380 only	2 - 1 Switch Closed		
		F	3/4" Medium Pressure Female Stainless Steel	F	3/4" Medium Pressure Female Stainless Steel	3 - 2 Switches		
		G	1/4" Medium Pressure Female Stainless Steel	G	1/4" Medium Pressure Female Stainless Steel			
		H	1" XXS BUTT WELD, Stainless Steel	H	1" XXS BUTT WELD, Stainless Steel			
		J	3/4" XXS BUTT WELD, Stainless Steel	J	3/4" XXS BUTT WELD, Stainless Steel			
		K	9/16" MP (13/16UN) Female Stainless Steel	K	9/16" MP (13/16UN) Female Stainless Steel			

### PRODUCT ORDERING INFORMATION

**While placing the enquiry please advise the following**

- > Ordering Code
- > Gas Type

\*Only used if outlet flange different to inlet.