



# ASV500 SERIES

Pneumatically Actuated  
Stop Valve  
(DN15)



**YOUR CREATIVE ENGINEERING PARTNER**

# ASV500 SERIES

## Pneumatically Actuated Stop Valve

Series ASV500 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



**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

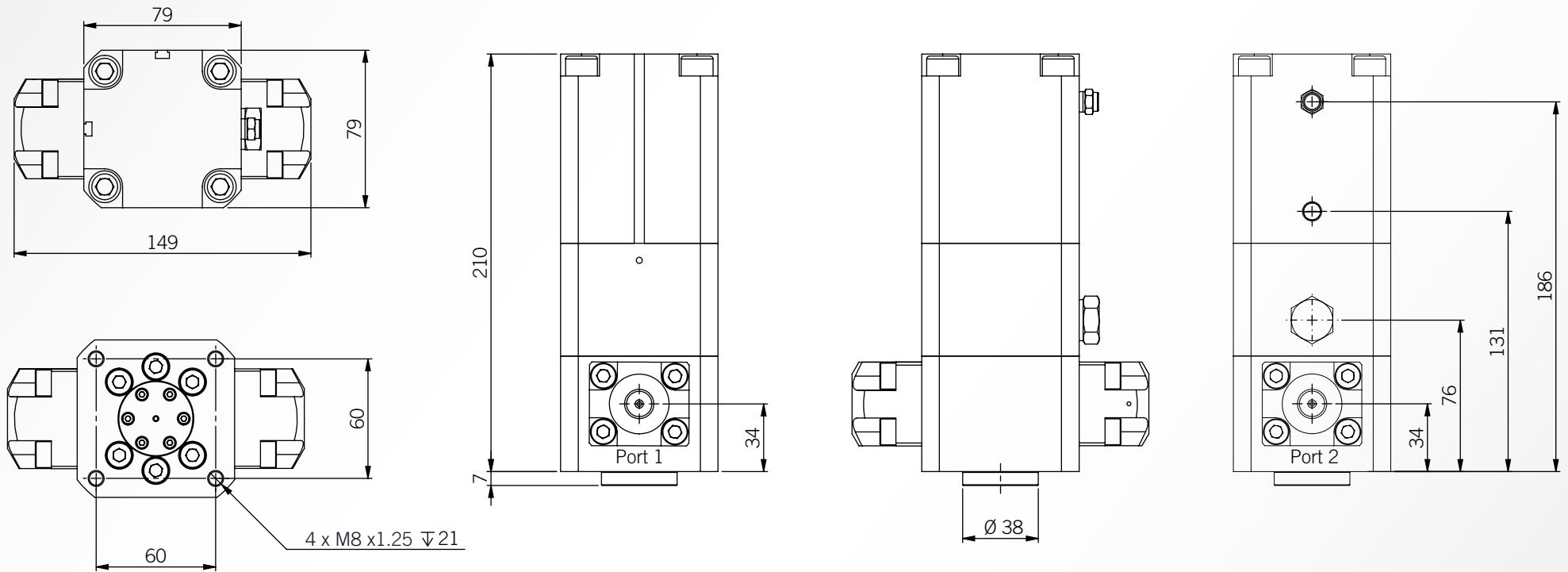
- > Allows for a compact design

Fail open version also available



| FEATURE            | ASV 500                       |
|--------------------|-------------------------------|
| Nominal Bore       | DN15                          |
| Orifice Size       | 11mm                          |
| Working Pressure   | 500 barg (7,250 psig)         |
| Actuator Port      | 1/8" BSP Taper                |
| Cv                 | 2.5                           |
| Medium             | Hydrogen                      |
| Design Pressure    | 600 barg                      |
| Temperature Range  | -40°C – +65°C                 |
| Weight             | 7.1 kg                        |
| Leakage            | Bubble Tight                  |
| Actuation Pressure | Min 5.5 barg<br>Max 8 barg    |
| Valve Body         | Stainless Steel 316L          |
| Actuator Body      | Aluminium Alloy<br>(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        | 500    | A            | 1/2" NPT - Female Stainless Steel           | A              | 1/2" NPT - Female Stainless Steel           |                | C2 - Commercial Clean | Omit if None                    |
|            |        | C            | 3/4" NPT - Female Stainless Steel           | B              | 3/4" NPT - Female Stainless Steel           | No Switch Omit | C49 High Purity Clean | 002 - Actuator Speed Controller |
|            |        | 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   |                |                       |                                 |

\*Only used if outlet flange different to inlet.

### PRODUCT ORDERING INFORMATION

While placing the enquiry please advise the following

- > Ordering code
- > Gas type