



SV700

Manual Stop Valve for
High-Pressure Gases
(DN15)



YOUR CREATIVE ENGINEERING PARTNER

SV700

Manual Stop Valve for High-Pressure Gases

Series SV700 is a Manual 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



Hydrogen

TPED
Approved

Maximum
Working Pressure
700 barg
(10,150 psig)

FEATURES AND SPECIFICATIONS

Handwheel

- > Low operating torque at all pressures

Bi-Directional Valve

- > Bi-directional valve ensures flow in both directions

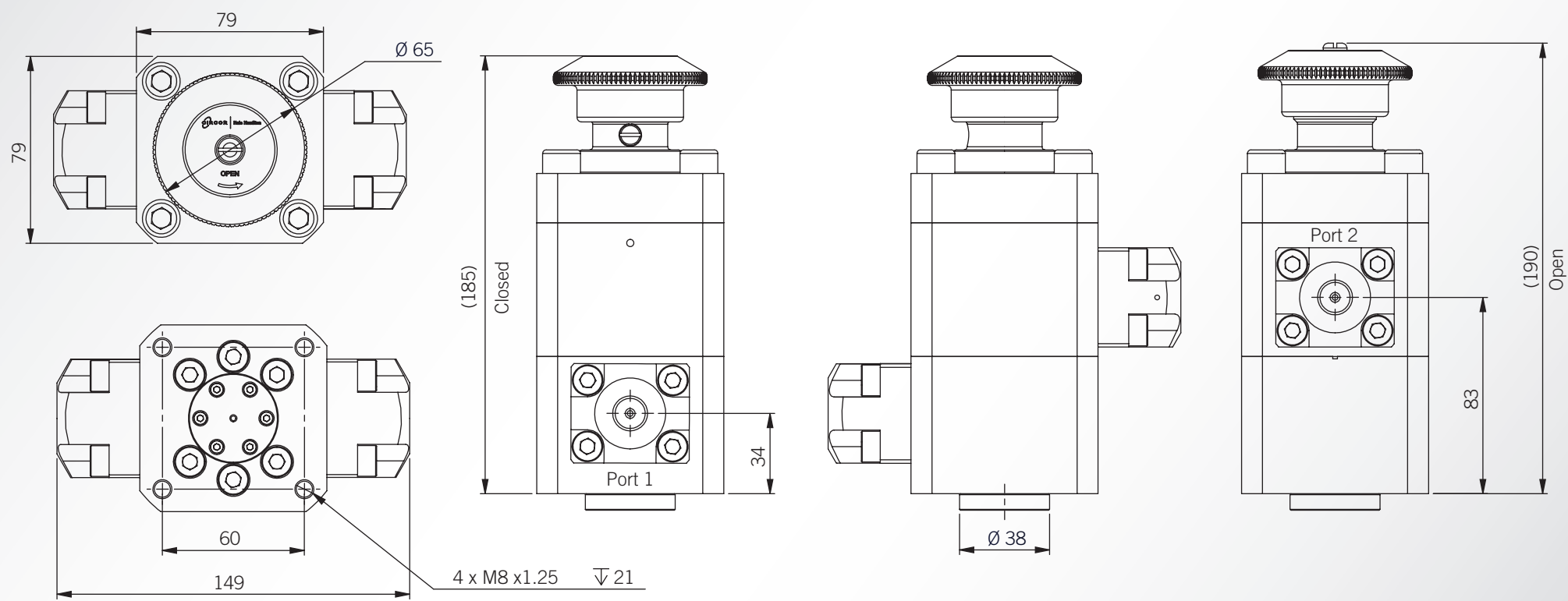
Flanges/Adaptors

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



PRODUCT SPECIFICATION DATA	SV700
DN Size	DN15
Orifice Size	11mm
Inlet Rating	700 barg (10,150psig)
Inlet Port	Flanged
Cv	4.5
Medium	Industrial Gases Including Hydrogen
Design Pressure	875 barg (12,690 psig)
Temperature Range	-40°C – +65°C
Weight	6.8 kg
Leakage	Bubble Tight
Valve Body Material	Stainless Steel 316L
Handwheel Material	Nickel Aluminium Bronze
Seals Material	PEEK, HNBR, PTFE, Nitrile

PRODUCT DIMENSIONS (IN MM)



OPERATING CODES & ORDERING INFORMATION

Valve Type	Series	INLET FLANGE		OUTLET FLANGE*		CLEANING	SPECIAL FEATURE
SV	700	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	C	3/4" NPT - Female Stainless Steel	C49 High Purity Clean	
		F	3/4" Medium Pressure Female Stainless Steel	F	3/4" Medium Pressure Female Stainless Steel		
		G	1/4" High Pressure Female Stainless Steel	G	1/4" High 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