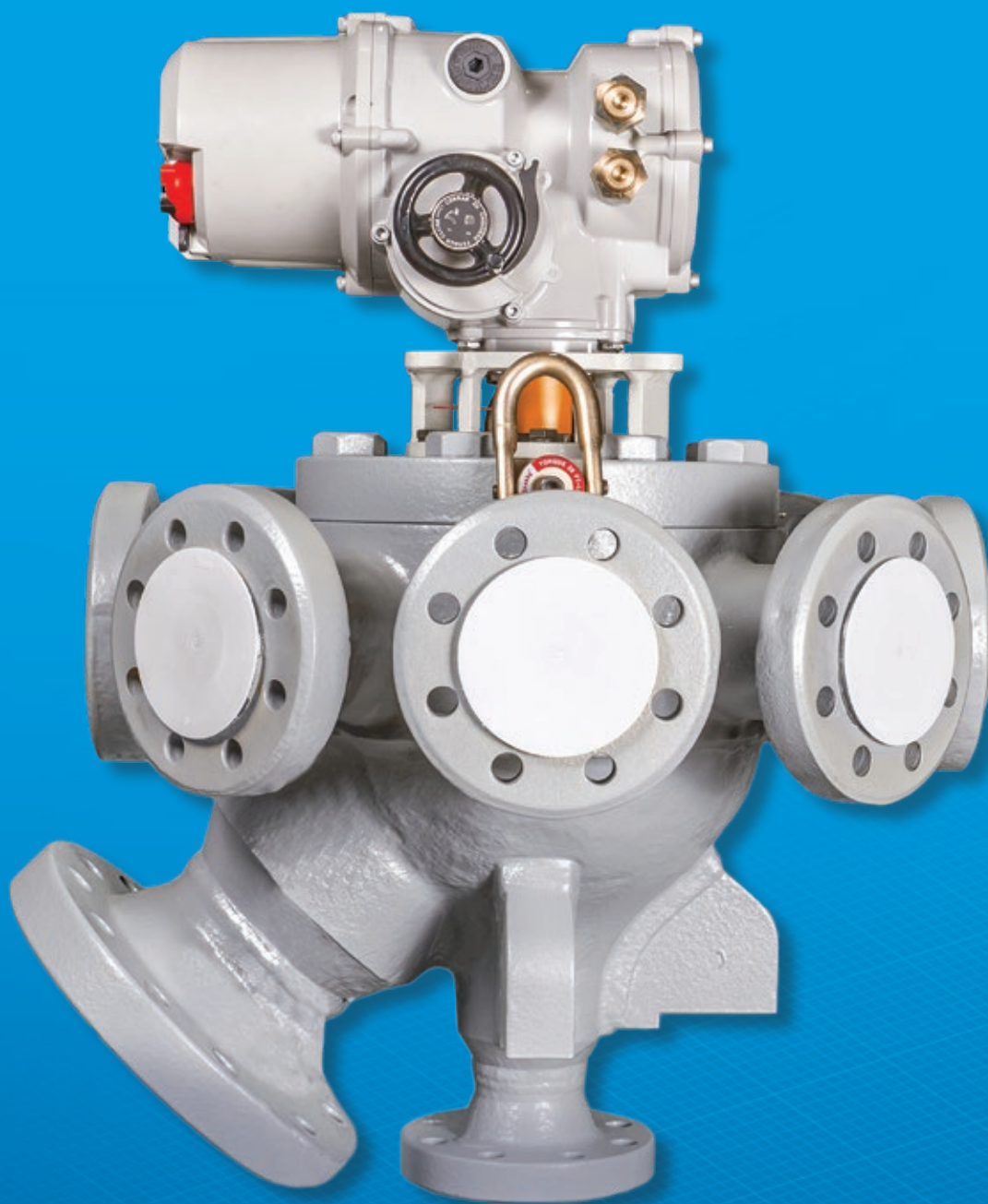




VALVE SYSTEMS

Multiport Selector Valve





VALVE SYSTEMS

Multiport Selector Valve

Oil States Multiport Selector Valve & Actuator Proven Performance for Highly Efficient Fluid Control Systems

The Oil States Multiport Selector Valve (MSV) and Actuator offers proven performance where highly efficient fluid control systems and two-way diagnostic communications are needed. A compact design, fewer moving parts and simple installation ensure that the MSV will provide long, trouble-free operation. Internal Teflon® bearings provide smooth operation with reduced maintenance requirements. The larger 3" and 4" models utilize taper roller bearings. A self-cleaning design reduces scale, paraffin and product build up. Fewer sealing surfaces reduce the risk of leakage.

The MSV will manifold up to eight flowlines via eight inlet ports with your choice of pipe thread or ANSI Class 150, 300, 600, 900, or 1500 RF flanged connections. Valves are standard H2S Service certified with optional electroless nickel and Teflon® coating for chemical and offshore service. Automation can be added at anytime.

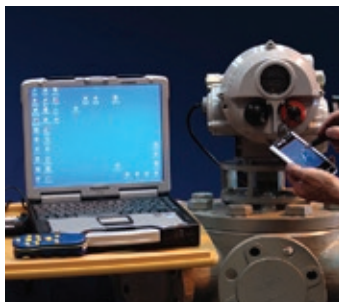
Compact Design. Simple Installation. Low Maintenance.

The Actuator is built to tough standards with a marine-grade LM20 cast aluminum housing, clear-view indicator and easy-to-read on-board switches. The internal architecture has been simplified to reduce maintenance costs. Piezo-resistive sensors supply precise torque measurements, while positional accuracy is maintained to 0.5 degrees.



Industry Applications

- Oil and Gas - Onshore and Offshore
- Water and Wastewater Treatment Plants
- LNG Operations
- Test Separators
- Refining
- Power
- Chemical
- Pulp and Paper



Laptop via MODUS Line
Laptop via IR & IR Tool
PDA Hand Held Device



Manual or
Remote Operation



Easy Installation



Windows® Based Interface

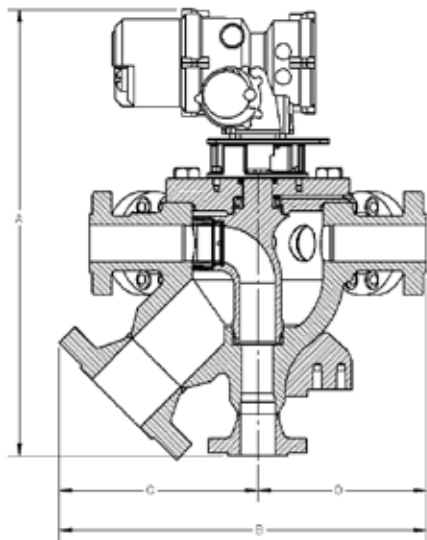
Self-contained Skid Units with Oil-Water Separators

- H2S Service: Parts designed for hydrogen sulfide corrosion resistance
- ELNI Lines: Includes H2S specifications with an additional electroless nickel and Teflon® coating for enhanced corrosion resistance
- Designs for ANSI Class 150, 300, 600, 900 and 1500
- Flanged or NPT models available



VALVE SYSTEMS Multiport Selector Valve

Specifications



Multiport Selector Valve & Actuator Envelope				
Inlet Size	A	B	C	D
2" NPT	34.62"	22.56"	6.81"	15.75"
3" NPT	37.81"	25.06"	9.31"	15.75"
3" Flanged	42.80"	32.90"	16.80"	16.10"
4" Flanged	50.16"	36.90"	20.50"	16.40"
6" Flanged	63.00"	56.00"	32.00"	24.00"

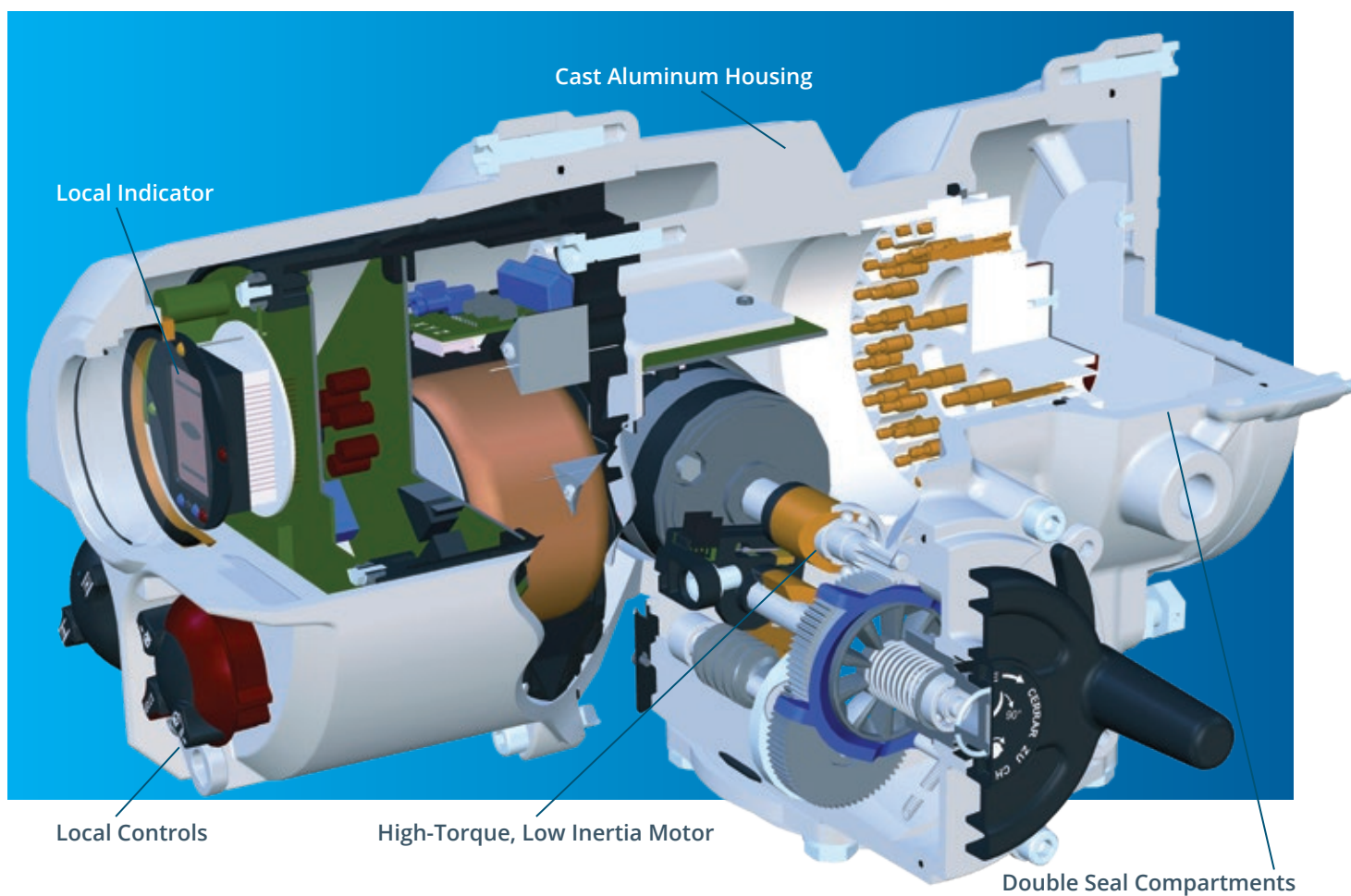
Multiport Selector Valve Specifications								
Model	2" NPT ANSI Class 300	2" NPT ANSI Class 600	2" / 3" NPT ANSI Class 300	2" / 3" NPT ANSI Class 600	3" Flanged ANSI Class 150/300/600/900	3" Flanged ANSI Class 1500	4" Flanged ANSI Class 300/600/900	6" Flanged ANSI Class 600/900
Inlet Size	2"	2"	2" / 3"	2" / 3"	3"	3"	4"	6"
Working Pressure (psi)	1000	1480	1000	1480	1110/1480/2225	3333	1110/1480/2225	1480/2225
Max Port Seal Differential Pressure (psi)	1000	1000	800	800	1000	1000	1000	1000
Standard Maximum Temp (°F)	225	225	225	225	225	225	225	225
Hi-Temp Maximum Temp (°F)	400	500	400	500	400/500	500	500	500
Flow	Test Outlet Cv (gpm)	290	290	725	725	725	1160	2403
	Group Outlet Cv (gpm)	423	423	1058	1058	1058	1560	3167/4949
Valve Head Material	ASTM A-181 Grade 60	ASTM A-350 LFS	ASTM A-181 Grade 60	ASTM A-516 Grade 70	ASTM A-516 Grade 70	SAE 4130 Grade 75	ASTM A-516 Grade 70	ASTM A-487* Grade 4A
Valve Body Material	ASTM A-395	ASTM A-216 WCC	ASTM A-216 WCB	ASTM A-216 WCB	ASTM A-216 WCB	ASTM A-487 Grade 4	ASTM A-216 WCB	ASTM A-487* Grade 4A
Bolting	ASTM A193-B7M	ASTM A193-B7M	ASTM A193-B7M	ASTM A193-B7M	ASTM A193-B7M	ASTM A193-B7M	ASTM A193-B7M	ASTM A193-B7M*
Number of Inlets	8	8	10 / 8	10 / 8	8	8	8	8
Test Outlet Size	2"	2"	2" / 3"	2" / 3"	3"	3"	4"	6"
Group Outlet Size	4"	4"	6"	6"	6"	6"	8"	12" / 16"
Weight	145 lbs.	154 lbs.	200 lbs.	200 lbs.	850 lbs. / 950 lbs.	1150 lbs.	1875 lbs.	4750 lbs.

Options Available: Welded Flanged NPT, Electron Nickel Teflon® Coating, Stainless Steel Trim and HVOF Coatings | *Material per OSI Spec SV1B-00-007

Working pressure at ambient temperature | Elevated temperatures reduce maximum working pressure | Additional sizes and multiport designs are available

Valve Actuator

- Several models available
- Hazardous atmosphere models carry CSA listing
- Network control via MODUS RTU protocol
- Programmable variable speed
- Maximum torque of 2000 Nm
- Select single or bi-directional operation
- Select interactive ports to bypass
- Designed for rugged oil field service
- Single-phase, three-phase VAC or 24 VDC
- Third-party test programmer compatible
- Automation can be added at any time without additional modifications



The MSV Actuator Supports

- Programmable variable speed
- Single or bi-direction operation
- Continuous 360° drive-capable
- Fastest time to port

Diagnostic Software Supports

- Windows® based interface
- Event monitoring
- Data logging
- Data export



OIL STATES INDUSTRIES VALVE SYSTEMS

Sales, Service, Engineering & Manufacturing

NORTH AMERICA

1020 E. Grand Boulevard

Oklahoma City, Oklahoma 73129 USA

Tel +1 405 671 2000

msv@oilstates.com

oilstates.com

© 2020, Oil States Industries. All Rights Reserved.



CB0520