

MSLHOMDE | MSLHEMDE – DRUVA®PUR MANIFOLD

MANIFOLD | PURE LINE (STAINLESS STEEL) | 20 m³ SERIES

HIGH PRESSURE RANGE | MANUAL CHANGE OVER | DUAL STAGE | EXTERNAL GAS PURGING



This manifold is used in gas supply systems for pure, inert, flammable, oxidising, corrosive and / or toxic gases and their mixtures up to gas purity 6.0.



Type MSLHOMDE00
E0 HP Ext. Gas Purge
0 Without Specials



Type MSLHOMDESS
ES HP Ext. Gas Purge
LP Shut-off valve
S Specials
Safety Valve

TECHNICAL SPECIFICATION

- > Switching between two sources by manual valve actuation
- > Regulator and Valves – Hastelloy/Elgiloy diaphragm tightening system to atmosphere
- > Compact design
- > Excellent pressure adjustment
- > Relief valve in delivery pressure side
- > Manifold with purge valve for external gas purging
- > Available with shut-off valve at outlet, safety valve at outlet & check valve at inlet

TECHNICAL DATA – MANIFOLD	
Working temperature:	-20 °C to +60 °C
Inlet/ outlet ports:	see technical drawing
Leakage rate seat:	≤ 1x10 ⁻⁶ mbar l/sec He
Leakage rate outside:	≤ 1x10 ⁻⁹ mbar l/sec He
Weight:	max 9,75 kg
Flow nominal:	20 m ³ /h (N ₂) acc. to ISO 7291 at 20 bar outlet pressure and 41 bar inlet pressure
Pressure rates manifold:	
Max. inlet pressure:	300 bar
Delivery pressure:	1/ 3/ 6/ 10/ 14 bar
For detailed information on tests and approvals during development and production of our TEC/PUR series see DATA-SpecGeneral-EN .	
For flow curves see DATA-FlowCurves-EN .	

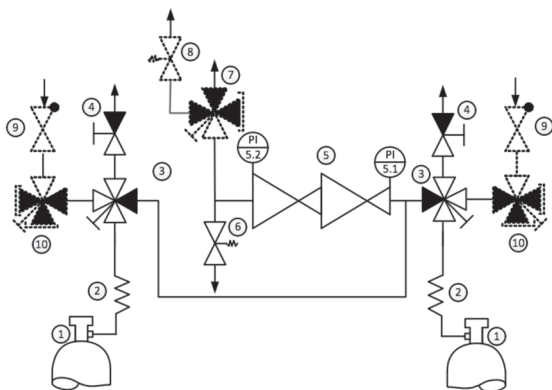
TECHNICAL DATA - PRESSURE REGULATOR
LSLH0SJ LSLHESJ
see separate data sheet

TECHNICAL DATA - SHUT-OFF VALVES
VSLDSMAR – 2-PORT
VSLDSMIR – 4 PORT (3X INLET – 1X OUTLET)
VSLDSMFR – 4 PORT (1X INLET – 3X OUTLET)
see separate data sheets

TECHNICAL DATA – PLATES	
Ground plate:	Stainless Steel (polished) Option to secure arrestor cable of hoses with hook on ground plate. Grounding bolt Cut outs on top and bottom allows installation
Dimensions ground plate: (Height x Width x Length)	194 x 30 x 250 mm
Front plate:	Stainless Steel (polished) Cut outs for easy replacement of gauges Free space for additional installer label (e.g. remark for next maintenance)
Dimensions front plate: (Height x Width x Length)	194 x 30 x 500 mm
Marking on panel:	Product range label QR-Code – link to online product configurator

TECHNICAL DATA – SAFETY VALVES (S)	
	Spring loaded according P.E.D. 2014/68/EU and AD2000 (A2)
Opening pressure:	1,5/ 4,5/ 9/ 15/ 21 bar
Leakage rate:	≤ 1x10 ⁻⁶ mbar l/s (valve seat) at nominal pressure of receiver
Material:	Housing and metal parts made of stainless steel, pressure spring made of stainless steel
Seat and seal:	FKM
Outlet connection:	NPT ½" female

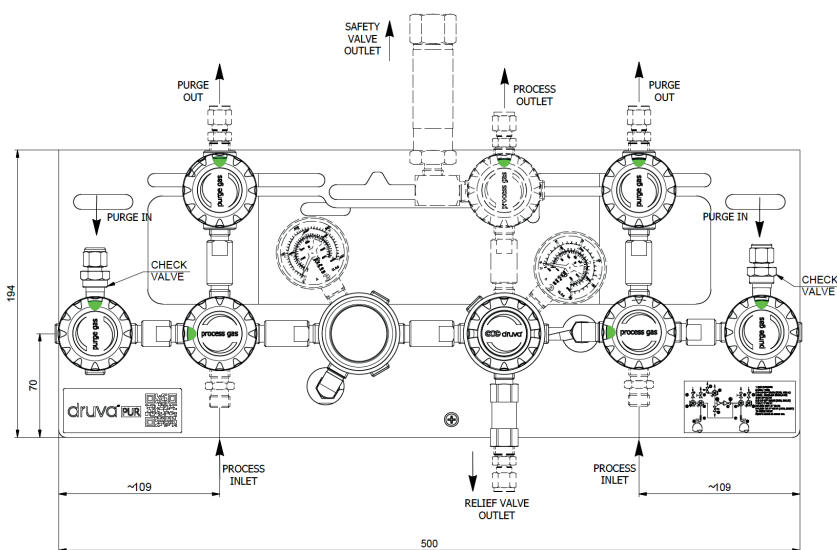
FLOW SCHEMATIC



- 1 – Gas cylinder
- 2 – Coil/Hose
- 3 – Shut-off valve (3xin, 1xout)
- 4 – Purge outlet valve
- 5 – Pressure regulator
- 6 – Relief valve
- 7 – Shut-off valve (1xin, 3xout)
- 8 – Safety valve
- 9 – Check valve
- 10 – Purge Inlet valve (1xin, 3xout)

Options & specials are shown as dotted line

TECHNICAL DRAWING



Outlet-, purge- and relief valve connections

- N14F - NPT1/4" female
- M03S-Compression Fitting ø 3MM Stainless Steel
- M06S-Compression Fitting ø 6MM Stainless Steel
- M08S-Compression Fitting ø 8MM Stainless Steel
- M10S -Compression Fitting ø 10MM Stainless Steel
- M12S -Compression Fitting ø 12MM Stainless Steel
- IX2S - Compression Fitting ø 1/8" Stainless Steel
- IX4S - Compression Fitting ø 1/4" Stainless Steel
- IX6S - Compression Fitting ø 3/8" Stainless Steel
- IX8S - Compression Fitting ø 1/2" Stainless Steel

ORDER CODE

Example Manifold | PUR Line | Stainless Steel | Low Flow | Dual Stage | Manual Change Over | External Gas Purging

MSLHOM	D	E0	S	FX	CX	BT	BT	N14F	N14F (1/4" NPT female)	N14F (1/4" NPT female)
MSLHEM	Stages	Options	Specials	Inlet pressure (bar)	Outlet pressure (bar)	Inlet pressure gauge	Outlet pressure gauge	Process inlet connection	Process outlet connection	Purge & relief connection
	D Dual stage	E0 HP ext. gas purge	O without	F4 60	AX 2	BT Bourdon Tube gauge	BT Bourdon Tube gauge	N14F 1/4" NPT female	possible connections see technical drawing	possible connections see technical drawing
		ES HP ext. gas purge LP Shut-off valve	S Safety valve	FX 200	BX 3	I1 Inductive contact gauge I1	I2 Inductive contact gauge I2	M14M Metric 14x1.5 male		
				GX 300	CX 6	R5 Reed contact gauge R5	I1 Inductive contact gauge I1			
					D2 10					
					DX 14					

Order code (as described above) without special characters or spaces! Complete Order Code **MSLHOMDE0SFXCXBTTN14FN14FN14F**



Link to online product configurator