

FEATURE
a unique proven design

L16

TECHNICAL DATA

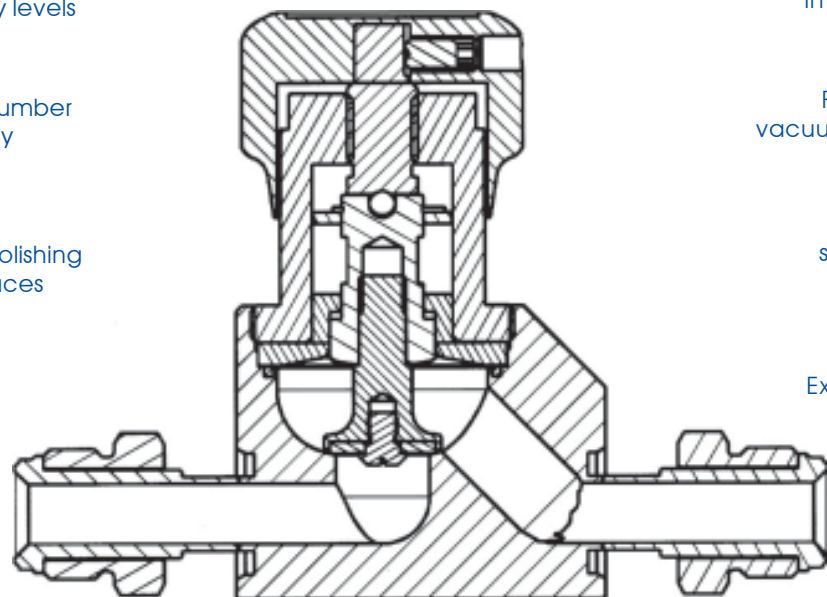
L16

Selected Stainless Steels for low sulfur content as well as optimized impurity levels

Individual serial number for full traceability

Precision electropolishing of all internal surfaces

Low particule generation



Assembling, testing and packaging in cleanroom class 10

Fully functional from vacuum to rated pressure

Aerodynamic fully swept flow passage

Excellent purgeability

Manufactured to the **THREE STAR PROCESS®**

TECHNICAL DATA		
Fluid Media		Standard, HP, High purity, corrosive and non-corrosive fluid
Max working pressure	Manual	87 PSI (6 bar)
	Pneumatic - Low pressure	87 PSI (6 bar)
Actuator operating pressure		75 - 100 PSI (5-7 bar)
Temperature range		-20°C to + 65°C (-4°F to 150°F)
Flow capacity	L16 manual	Cv = 3
	L16 pneumatic	Cv = 3
Certified max. Helium outboard leak rate (at max. pressure)		<10 ⁻⁷ mbar.l/sec
Certified max. Helium across the seat leak rate (at max. pressure)		<10 ⁻⁷ mbar.l/sec
Wetted volume		< 21.6 cc
Mounting		Panel or back mounting

CONSTRUCTION MATERIALS

DIMENSIONS

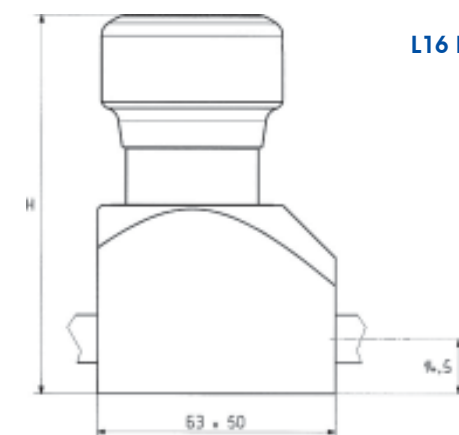
		Valve Grade & Materials
Wetted Parts	Parts	L16V
	Body	SS 316L
	Surface Finish	< 0.25 µm EP (10 µin Ra)
	Diaphragm	Elgiloy®
	Seat material	PCTFE (Kel-F®)
Non-wetted Parts	Backup diaphragm	Elgiloy®
	All others	Brass, Stainless Steel or alloys

Manual Actuation

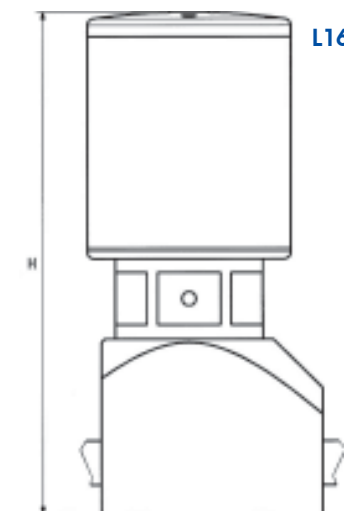
Pneumatic Actuation

Parts for all valve grades	
Upper spindle	Brass
Handle	Aluminium
All others	Stainless Steel 316L

Parts	
Actuator Body	Aluminium
Piston	Aluminium
Upper spindle	Brass
O-rings	Nbr-PC 851
All others	Stainless steel 316L

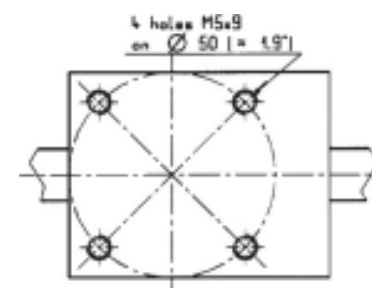


L16 MT



L16 LP

L16 Button-view



Dimensions	H	
	Open	Close
Manual MT	103 (4,06")	100,5 (3,96")
Pneumatic LP	141,5 (5,57")	

PART NUMBER							
Example :	L16V	MT	2V1	I	/	K	A/B:1/2
	1	2	3	4		5	6 7

1 - Valve Series & Surface finish
L16 V - Ra 0.25µm Ep. (10 µin Ra)

3 - Valve Configurations
2V1 2 ports in line
3VT 2 ports in Line « Full passage »; downstream branch « Tee valve »

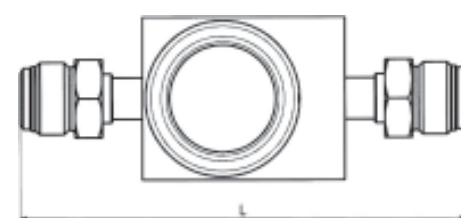
5 - Seat Material
K PCTFE (Kel-F®)

7 - Options
FT Panel Mounting
— Back Mounting
CI Electric Limit Switch (LP Actuator)

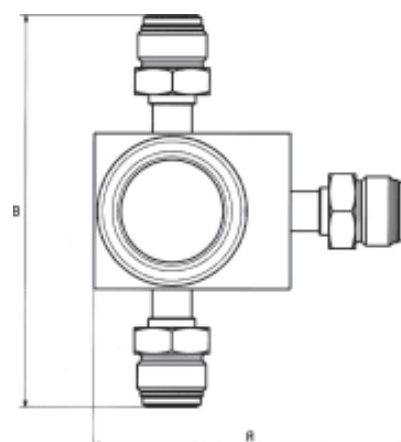
2 - Valve Actuation (Standard Normally closed = NF)
MT Multi-Turn Handwheel
LP Pneumatically actuated - normally close
Standard Colour: for handles: white (other colours on request) for LP actuators: NF=blue

4 - Body Material (others on request)
I AISI 316L

6 - End Connections
V 1/2-F GAZEL® 1/2" - Female (Face Seal*)
V 1/2-M GAZEL® 1/2" - Male (Face Seal*)
B 1/2 BWO 1/2" - (Butt Orbital Weld)
B 3/4 BWO 3/4" - (Butt Orbital Weld)
SAGALOK Double Ring Fittings and metric Butt Orbital Weld available on request



2V1= 2 ports



3VT= Tee Valve

Dimensions	L	A	B
Connection 1/2"	138,7 (5,46")	100,85 (3,97")	125,7 (4,95")
Connection 3/4"	157,5 (6,20")	110,25 (4,34")	144,5 (5,69")

Same dimensions for : GAZEL® Male or Female (Face seal), and BWO (for Butt Orbital Weld)).

*All GAZEL® Face Seals are VCR® compatible. VCR® is a registered trade mark of CAJON CO., HASTELLOY® is a registered trade mark of CABOT Corp., Kel-F® is a registered trade mark of 3M company. Vespel® is a registered trade mark of DUPONT, ELGILOY® is a registered trade mark of ELGILOY Company.



SELFA

Valves & Fittings

A total component solution, from source to process

L 16

DIAPHRAGM LINE VALVE FOR HIGH PURITY LIQUID APPLICATIONS

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