

Manually actuated injection valve

6 port, 2 position

VM06021SSPKPI0700

- Rated to 483 bar (7,000 psi)
- Three alternate handle positions spaced 90 degrees apart
- Inert fluid path with low swept volume



Technical features

Type:
6 port, 2 position
manual injection valve

Pressure rating:
483 bar (7,000 psi)

Port threads:
10-32 UNF-2B

Fitting type:
Cone

Dimensions:
Height: 75.9 mm (2.990 in)
Width: 34.8 mm (1.370 in)
Depth: 34.8 mm (1.370 in)

Flow passage diameters:
0.61 mm (0.024 in)

Port to port volume:
3.2 µL

Stator port volume:
0.8 µL

Seal volume:
1.7 µL

Rotor channel volume:
0.6 µL

Weight:
0.29 kg (0.63 lbs)

Operating temperature:
+4 ... +80°C (+39 ... +176°F)

Storage temperature:
–30 ... +80°C (–22 ... +176°F)

Storage humidity:
< 95% humidity, non-condensing

Switching time:
< 0,25s

Wetted materials:
Stator: Stainless steel
Rotor: Polyimide
Seal: PEEK

Compliance:
RoHS, REACH

Manual injector valve kit with accessories, VM06021SSPKPI0700-KIT

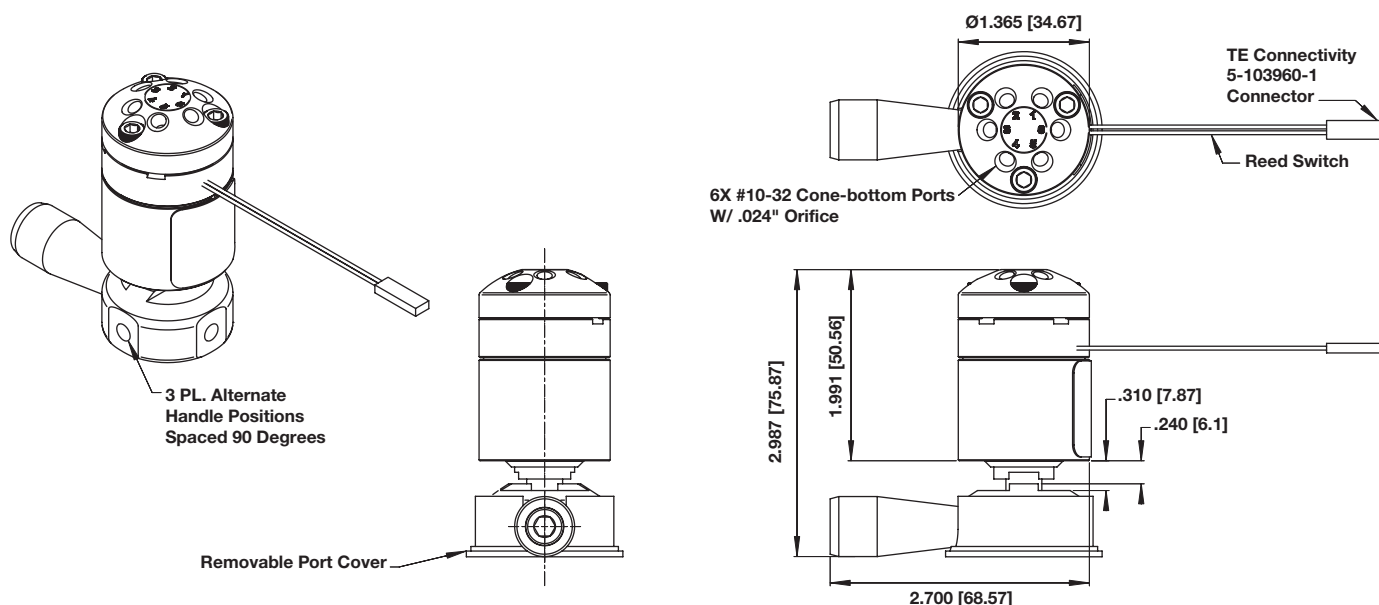
Qty.	Description	Part no.
1	Manual Injector Valve	VM06021SSPKPI0700
2	Mounting Screws	#8-32 x 0.1875 BHS
1	20 µL Sample Loop Assy	AY1-00100
1	22 Ga. Syringe Needle	CMM-00105
1	5/64 Allen Wrench	CWR-00101
1	9/64 Allen Wrench	CWR-00102
1	Needle Port Cleaner Bushing	FBM-0051
4	Fitting, 10-32, 1/4 Hex, 1/16, SS	FBM-00050
4	Ferrule	FBM-00049

File code: LS_DS_RSV-6.2_en/04/24

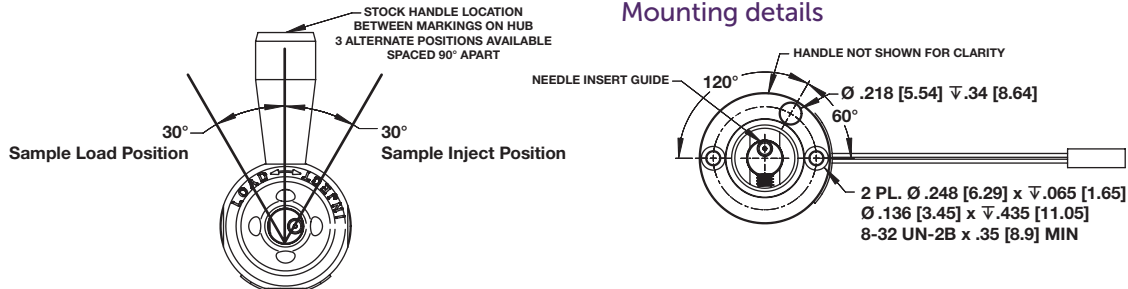
Dimensions

Dimensions in inches [mm]

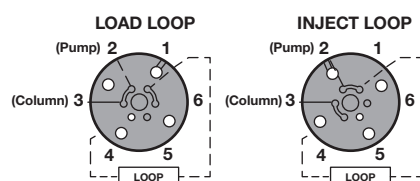
Projection/third angle



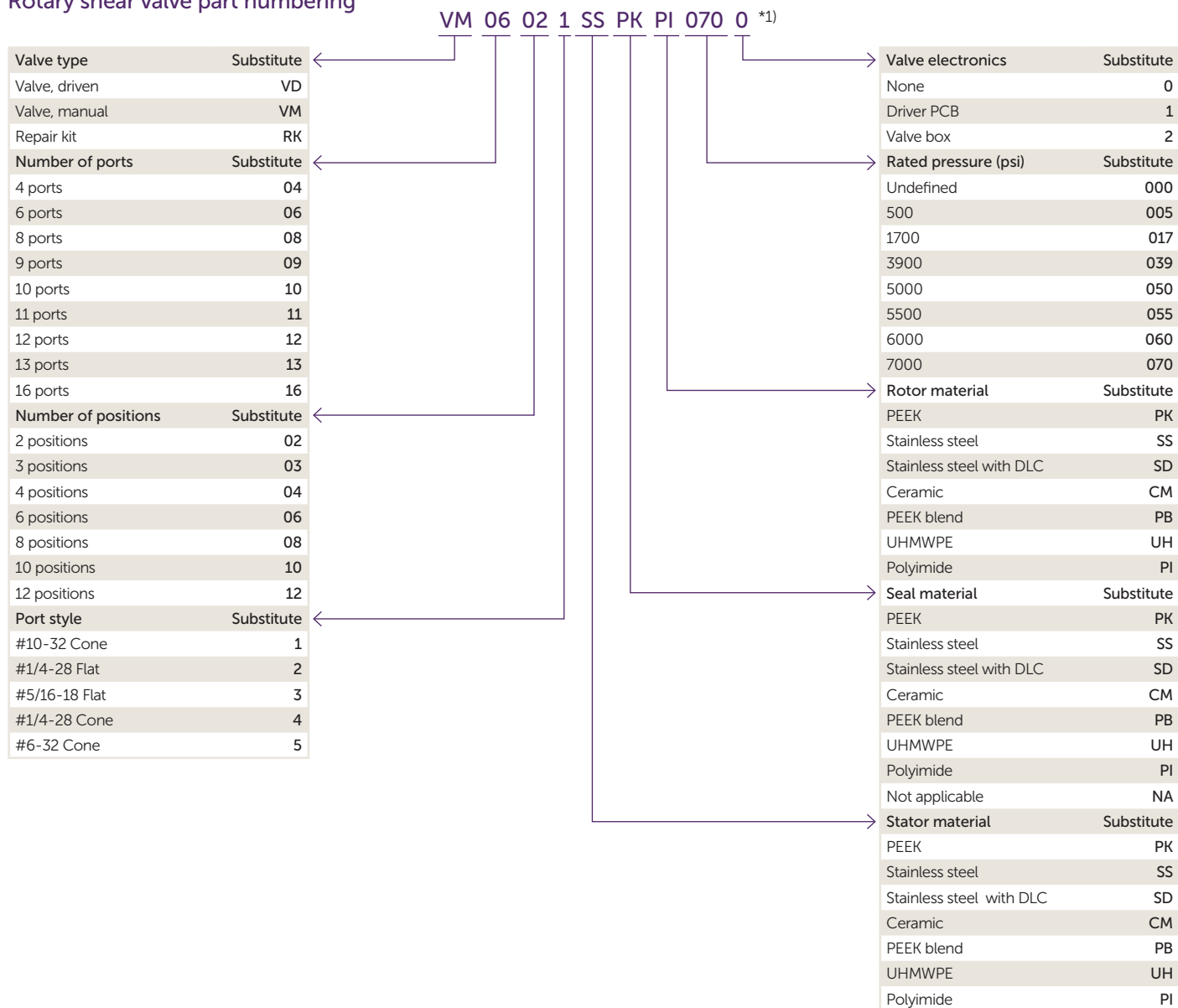
Mounting details



Working cycle



Rotary shear valve part numbering



Configurations available

Type	Operating pressure (bar)	Operating pressure (psi)	Part no. *2)
6 port, 2 position manual	483	7000	VM06021SSPKPI0700
6 port, 2 position	379	5500	VD06021SSNAPI0550
4 port, 3 position	117	1700	VD04032PKPKPK0170
8 port, 4 position	269	3900	VD08042PKPKPK0390
9 port, 8 position	117	1700	VD09082PKPKPK0170
13 port, 12 position	117	1700	VD13122PKPKPK0170
4 port shuttle valve	38	550	VD04002PKNAUH0050
Available on request:			
4 port, 2 position	269	3900	VD04022PKPKPK0390
8 port, 2 position	34	500	VD08021PKPKPK0050
Coming soon:			
VALVE BOX (6/2)	483	7000	VD06021SDNAPB0702-1
6 port, 2 position	483	7000	VD06021SDNAPB0700-1
6 port, 2 position	483	7000	VD06021SDNAPB0700-2

*2) Step Master PCB available to all models.

*1) Modifier (if needed, at the end):
 "-000" (tbd)
 "-KIT" (accessories included)