



Cleanness by Purpose

Diaphragm Valve

*High Pressure Diaphragm Valve
(16.2MPa)*

DVK series



IHARA SCIENCE CORPORATION

【Features】

DVK Series Valves are the metal diaphragm seal valve for high pressure which are excellent in cost performance.

- Diaphragm made of Ni-Co alloy is installed. Realized high airtightness and high durability.
- Parts contact with fluid are precisely rinsed and treated oil free.
- Assembled and packaged in a clean room.
- Minister certification, Type N-valves

Specification

Nominal size	1/8"~1/2"
Work Pressure	Vac.~16.2MPa
Work Temp.	-10~+80°C
Cv value	0.1

(※1)

Other connection types are available. Inquire us.

(※2)

VTF1/4" (Male) connection. Differ from Connection type and Size.

Connection(※1)	VTF(Metal gasket seal fitting) BI-Lok(Double ferrule fitting)
Weight(※2)	350g
Inner volume (※3)	1.4cc
Durability (※4)	≥ 50,000

(※3)

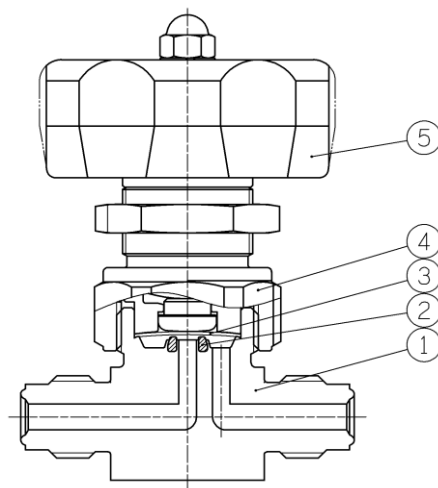
Value at VTF1/4" (Male) connection • valve open

(※4)

Test result under sealed with N2 gas of 16.2MPa.

Material of Main parts

	Parts Name	Material
①	Body	SUS316L
②	Seat	PCTFE
③	Diaphragm	Ni-Co Alloy
④	Bonnet	SUS304
⑤	Handle	A5056



Nomenclature

DVK - ① ② - ③

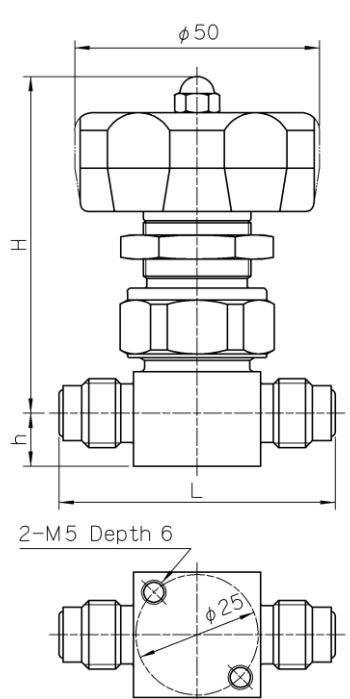
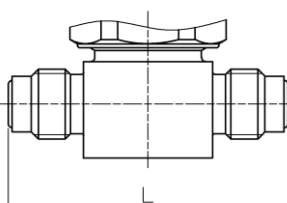
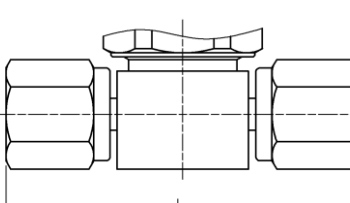
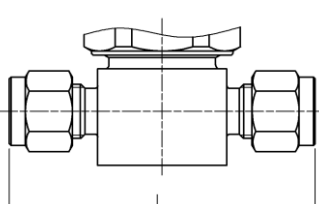
Ex) DVK - 4VM - EP [1/4"VTF Male connection electro-polishing]

①	
Code	Size*
2	1/8"
4	1/4"
6	3/8"
8	1/2"

②	
Code	Connection
VM	VTF(オス)
VF	VTF(メス)
D	BI-Lok

③	
Code	Internal finishing
EP	Electro-polishing (less Ra0.18)
BA	Mechanical polishing (less Ra0.8)

Dimension List

		VTF(Male) (mm)				
		Type	Size	L	H	h
		DVK-4VM	1/4"	56	70	11
		DVK-8VM	1/2"	67	74	16
		VTF(Female) (mm)				
		Type	Size	L	H	h
		DVK-4VF	1/4"	70	70	11
		DVK-8VF	1/2"	82	74	16
		BI-Lok (mm)				
		Type	Size	L	H	h
		DVK-2D	1/8"	57	70	11
		DVK-4D	1/4"	62	70	11
		DVK-6D	3/8"	67	70	11
		DVK-8D	1/2"	72	74	16

WARNING

If you don't select and handle fittings, valves and related accessories in an adequate manner, it may damage human beings and applicable systems.

Within the responsibility and authorization of users and piping designers, fittings, valves and related accessories shall be adequately selected, assembled, used and maintained based on the applicable conditions and product conformity to the system to be applied.

Please read carefully our operation manual and feel free to contact with Ihara if you have any question or request.



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