

3. Specifications

Table 4

Model Note 1		XMH-16	XMH-25 XYH-25	XMH-40 XYH-40	XMH-50 XYH-50
Flange (valve) size		16,CF034	25	40,CF070	50
Actuating type		Manual			
Fluid		Inactive gas under vacuum			
Operating temperature °C		5 to 150			
Operating pressure Pa (abs)		Atmospheric pressure to 1×10^{-6}			
Conductance l/s Note 2		5	14	45	80
Leakage Pa m ³ /s	Internal	1.3×10^{-10} for the standard material (FKM) at ambient temperatures , excluding gas permeation			
	External	1.3×10^{-11} for the standard material (FKM) at ambient temperatures , excluding gas permeation			
Flange type	XMH	KF(NW),CF	KF(NW)	KF(NW),CF	KF(NW)
	XYH	-	KF(NW)	KF(NW)	KF(NW)
Main material		Body: SCS13 (SUS304), Bellows: SUS316L,, Main part: SUS304 and FKM (standard sealing material)			
Operation torque		0.1 or more	0.15 or more	0.35 or more	0.5 or more
Number of handle rotations		5	7	10	13
Mass kg 4	XMH	0.31 (0.35)	0.57	1.35 (1.71)	2.02
	XYH		0.62	1.37	2.42

Note1) XYH-16 is not available. (Interference due to the flange shape)

Note2) The conductance is “molecular flow” measured with an elbow pipe which has the same dimension with each flange.

Note3) Figures in () indicates the mass of CF , (conflate) fittings.