

Diaphragm Packless Valves

Diaphragm

VALVES

Description: These high-integrity valves are recommended for gas handling systems where inboard diffusion of air or moisture must be kept to a minimum. The valves have multiple metal diaphragms that provide a permanent seal capable of passing the helium leak test to 1×10^{-8} ccs.

These valves come in multiturn and quarter turn models.



Specifications/Materials	
Maximum Operating Pressure	3,000 psig
Flow Capacity	Cv=0.16, orifice 0.094
Ambient Operating Temperature	-40° F to +200° F
Body	Brass or Stainless Steel
Seat	PCTFE

Ordering Information		(multi-turn models)			
Product Number	Length	Material	CONNECTIONS		
			Inlet	Outlet	
Y36-2DCC	2 3/8"	316 SS	1/8" Compression*	1/8" Compression*	
Y36-4DBMM	2 3/8"	Brass	1/4" MNPT	1/4" MNPT	
Y36-4DBMFL	3 3/8"	Brass	1/4" MNPT	1/4" FNPT	
Y36-4DFF	2 3/8"	316 SS	1/4" FNPT	1/4" FNPT	
Y36-4DMM	2 3/8"	316 SS	1/4" MNPT	1/4" MNPT	
Y36-4DMC	2 3/8"	316 SS	1/4" MNPT	1/4" Compression*	
Y36-4DMFL	3 3/8"	316 SS	1/4" MNPT	1/4" FNPT	

Ordering Information		(1/4-turn models)			
Product Number	Lever Color	Length	Material	CONNECTIONS	
				Inlet	Outlet
Y37-2DCC	Silver	2 3/8"	316 SS	1/8" Compression*	1/8" Compression*
Y37-4DBCC	Silver	2 3/8"	Brass	1/4" Compression*	1/4" Compression*
Y37-4DBMM	Silver	2 3/8"	Brass	1/4" MNPT	1/4" MNPT
Y37-4DBMFL	Silver	3 3/8"	Brass	1/4" MNPT	1/4" FNPT
Y37-4DFF	Silver	2 3/8"	316 SS	1/4" FNPT	1/4" FNPT
Y37-4DMFL	Silver	2 3/8"	316 SS	1/4" MNPT	1/4" FNPT

*All compression ends are two-piece ferrule construction.