



INDUSTRIAL RIGHT-ANGLE VALVE

Perfect Solution for Industrial
Vacuum Applications



BIG RIGHT-ANGLE VALVE Perfect Solution for your High Vacuum Applications

BENEFITS:

- ✓ Leybold's industrial right-angle valve is the perfect solution for your high vacuum applications
- ✓ Fully compatible with Leybold's diffusion pumps with ANSI flanges
- ✓ Stainless steel body and flanges, as well as the shaft sealing by a membrane bellows, to guarantee best performance and a long lifetime

Right-angle valve		10"ANSI	16" ANSI	20" ANSI	32" ANSI	35" ANSI
Installation orientation		Vertical / pneumatic cylinder at the top				
Conductance	l/s	3800	8600	10600	29300	34500
Drive method		Electromagnetic pneumatic				
Pressure difference when opening	mbar	50				
Opening/Closing time	sec	≤5			≤8	
Service life	actuations	10 ⁵				
Helium leak rate	mbar·l/s	1×10 ⁻⁹				
Pressure Range	mbar	5×10 ⁻⁸				
Max operation temp.	°C	60				
Connection flange	ANSI	10"	16"	20"	32"	35"
Bypass flange	ANSI	3"	4"	6"	8"	8"
Further flanges	NW	16 / 40	25 / 40			
Materials						
Housing and disk		Stainless steel 304 / EN 1.4301				
Sealing bellows		Stainless steel 316L / EN 1.4404				
Seals		FKM				
Pilot Valve						
Nominal voltage	VDC	Normally closed, 24				
Nom. power consumption	W	0.45				
End Position Switch (max. contact ratings)						
Nominal voltage	V DC/AC	5/240				
Current	mA	100				
Power consumption	W	10				
Compressed air supply						
Air connection		1/8" quick connector with 6mm tube				
Pressure Range	bar	5-7				
Weight	kg	76	188	308	500	842
Material Number		504138V103	504140V103	504141V103	504142V103	504143V103

