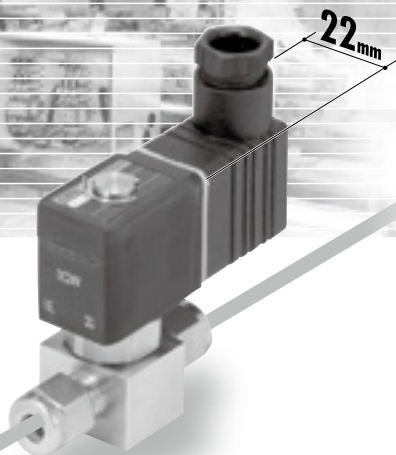


EXA
FWD
HNB/G
USB/G
FAB/G
FGB/G
FVB
FWB/G
FHB
FLB
AB
AG
AP/ AD
APK/ ADK
DryAir
EX- XPLNprf
XPLNprf
HVB/ HVL
S ◇ B/ NAB
LAD/ NAD
Water- Rela
NP/NAP/ NVP
SNP
CHB/G
MXB/G
Other valves
SWD/ MWD
DustColl
CVE/ CVSE
CCH/ CPE/D
LifeSci
Gas- Combus
Auto- Water
Outdoor
SpecFld
Custom
Ending

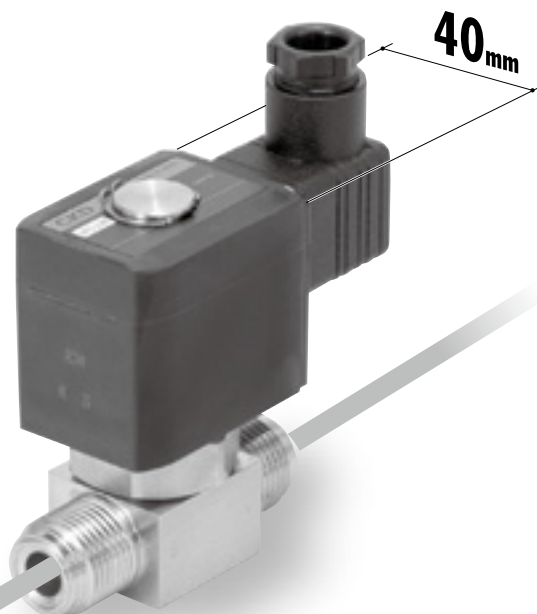
HVB Series solenoid valve for high vacuum



HVB 312 Series



HVB 212 Series



HVB 512 Series

Durability **2** million cycles (* under CKD's conditions)

Reliable, high quality valve maintains high performance even after continuous use for long periods.

Low power consumption About **40** % less than conventional models

Power consumption has been significantly reduced. Supports effective energy saving in long-term energized conditions.

Vacuum leakage **$1 \times 10^{-9} \text{Pa} \cdot \text{m}^3/\text{s}$** or less

High vacuum retention with stable internal/external leakage.

Solenoid valve for high vacuum

High Vacuum HVB Series

with high vacuum retention and superb durability.



HVB 412 Series

FPD
manufacturing
equipment

Electronic
optical devices

Analysis
equipment

Wide range of choices

Orifice size: $\phi 1$ / $\phi 2$ / $\phi 3$ / $\phi 4.5$ / $\phi 6$,
coil width: 22 / 28 / 34 / 40 mm.

Free mounting orientation

Mountable in any orientation depending on the installation space.
This flexibility helps to save more space.



4 types of connection

● JXR male fitting
Connectable to
VCR female fitting.



● Double barbed
fitting



● NPT
Rc



Series variation	Coil width (mm)				Orifice (mm)					Connection			
	22	28	34	40	$\phi 1$	$\phi 2$	$\phi 3$	$\phi 4.5$	$\phi 6$	JXR	Double barbed fitting	NPT	Rc
HVB 212 Series										1/4"	1/4"	1/8"	1/8"
HVB 312 Series										1/4"	1/4"	1/8"·1/4"	1/8"·1/4"
HVB 412 Series										1/4"·3/8"	1/4"·3/8"	1/4"·3/8"	1/4"·3/8"
HVB 512 Series										1/4"·3/8"	1/4"·3/8"	1/4"·3/8"	1/4"·3/8"

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