



Compact check valve with push-in fitting

CHL Series

Compact/space saving inline. Vacuum retention and low pressure use are possible.

JIS symbol



Specifications

Item	CHL-M54	CHL-H44	CHL-H66
Working fluid	Compressed air		
Max. working pressure MPa	1.0 (≈150 psi, 10 bar)		
Min. working pressure MPa	0.03 (≈4.4 psi, 0.3 bar)		
Cracking pressure MPa	0.03 (≈4.4 psi, 0.3 bar)		
Negative pressure range kPa	-30 (≈-4.3 psi, -0.3 bar) to -100 (≈-15 psi, -1 bar)		
Proof pressure MPa	1.5 (≈220 psi, 15 bar)		
Fluid temperature °C	0 (32°F) to 60 (140°F) (no freezing)		
Ambient temperature °C	0 (32°F) to 60 (140°F) (no freezing)		
Port size	M5	ø4	ø6
Weight g	8.9	10.8	16.6
Compatible tube O.D.	ø4	ø4	ø6
Flow rate ℓ/min(ANR)	170	180	440
Effective cross-sectional area mm ²	2.6	2.8	6.8

Note: Flow rate is the atmospheric pressure conversion value at pressure 0.5 MPa.

How to order

Model No. **CHL** - **M5** **4** - **A**

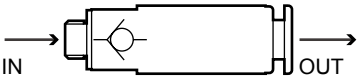
A B C M54 type only

A Port size		B Tube O.D.		C Free flow	
M5	M5	4	ø4	A	M5 screw side input
H4	ø4	4	ø4	B	M5 screw side output
H6	ø6	6	ø6		

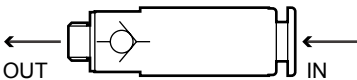
Note: Combinations other than those listed above are not possible.

Illustration of C free flow (M54 type only)

Free flow A (M5 screw side input)



Free flow B (M5 screw side output)

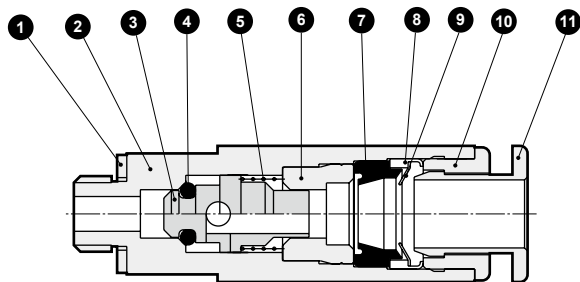


Clean-room specifications (Catalog No. CB-033SA)

- Anti-dust generation structure for use in cleanrooms

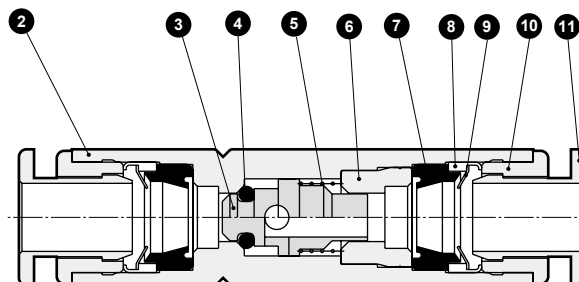
CHL-..... - **P7***

● CHL-M54



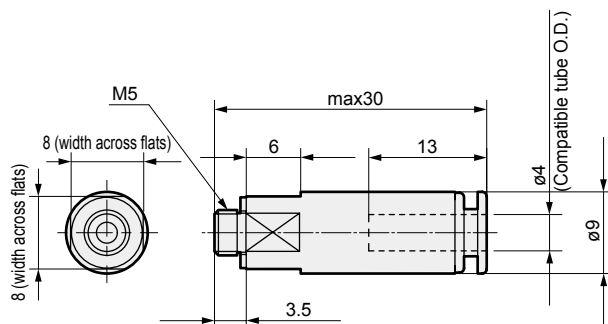
No.	Part name	Material
1	Gasket	Nitrile rubber/steel
2	Body	Copper alloy (electroless nickeling)
3	Valving element	Aluminum
4	O-ring	Nitrile rubber
5	Spring	Stainless steel

● CHL-H44,H66

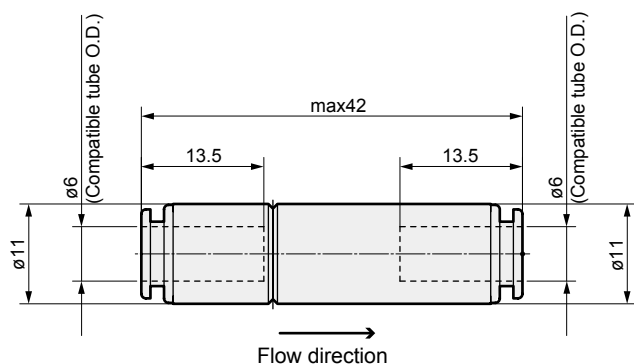


No.	Part name	Material
6	Valve seat	Aluminum
7	Packing	Nitrile rubber
8	Chuck holder	Copper alloy (electroless nickeling)
9	Chuck	Stainless steel
10	Outer ring	Copper alloy (electroless nickeling)
11	Push ring	Polybutylene terephthalate

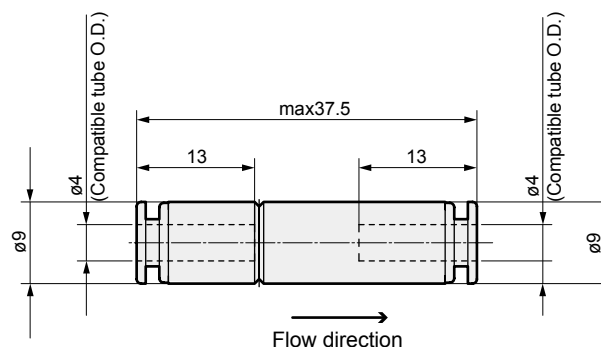
● CHL-M54-*



● CHL-H66



● CHL-H44



F.R.L.
F.R.
F (Filter)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac- remove Filtr
Film Resist FR
Oil-ProhrR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner
Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneur
AirBoost
Speed Ctr
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompr
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRISens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending