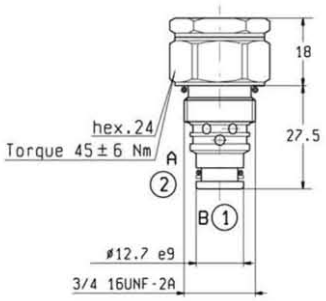
DIRECTIONAL CONTROL VALVES
CARTRIDGE CHECK VALVES

VU-C-06 — **OD.42.01.00.56 - Z**



DESCRIPTION

Simple but reliable poppet style cartridge check valves for use as a blocking or load-holding device.

OPERATION

These valves block flow from ② to ①, while allowing flow in the opposite direction.
The spring keeps poppet in closed position until cracking pressure is reached at port ①.

FEATURES - RATINGS

Maximum Operating Pressure	**350 bar**
Rated Flow	**30 l/min**

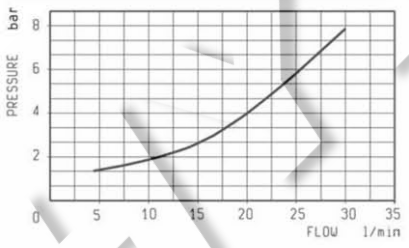
- Cavity - Tooling (page 7.01.10) : 018-E
- Weight : 0.090 kg
- Fluids - Temperatures - Testing Conditions - Seals : see page 7.01.04
- Internal Leakage : see page 7.01.04
- Filtration : 25 µm nominal or better, see page 7.01.05
- Mounting Position : unrestricted

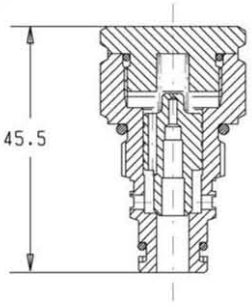


ORDERING OPTIONS

Spring Cracking Pressure 1 bar	**Z = 01**
Spring Cracking Pressure 5 bar	**Z = 05**

PRESSURE DROP



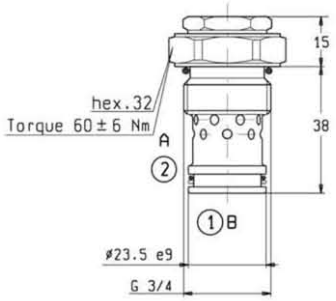


DIRECTIONAL CONTROL VALVES
CARTRIDGE CHECK VALVES

VU-C-09 — **OD.42.01.00.04 - Z**

DESCRIPTION

Simple but reliable poppet style cartridge check valves for use as a blocking or load-holding device.



OPERATION

These valves block flow from ② to ①, while allowing flow in the opposite direction.
The spring keeps poppet in closed position until cracking pressure is reached at port ①.

FEATURES - RATINGS

Maximum Operating Pressure **350 bar**

Rated Flow **60 l/min**

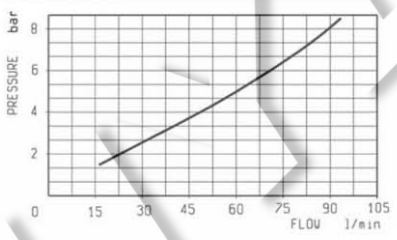
- Cavity - Tooling (page 7.01.10) : 017-E
- Weight : 0.175 kg
- Fluids - Temperatures - Testing Conditions - Seals : see page 7.01.04
- Internal Leakage : see page 7.01.04
- Filtration : 25 µm nominal or better, see page 7.01.05
- Mounting Position : unrestricted

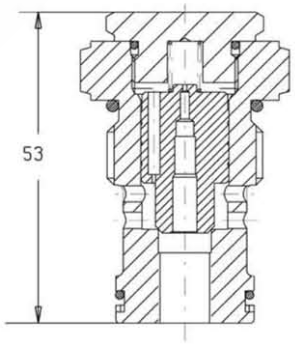


ORDERING OPTIONS

Spring Cracking Pressure 1 bar	**Z = 01**
Spring Cracking Pressure 5 bar	**Z = 05**

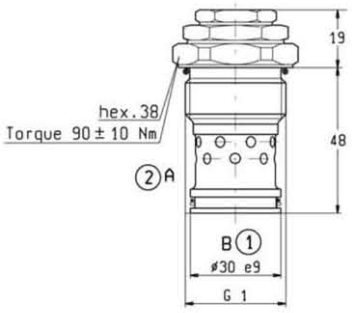
PRESSURE DROP





DIRECTIONAL CONTROL VALVES
CARTRIDGE CHECK VALVES

VU-C-12 **OD.42.01.00.05 - Z**



DESCRIPTION

Simple but reliable poppet style cartridge check valves for use as a blocking or load-holding device.

OPERATION

These valves block flow from ② to ①, while allowing flow in the opposite direction.
The spring keeps poppet in closed position until cracking pressure is reached at port ①.

FEATURES - RATINGS

Maximum Operating Pressure **350 bar**

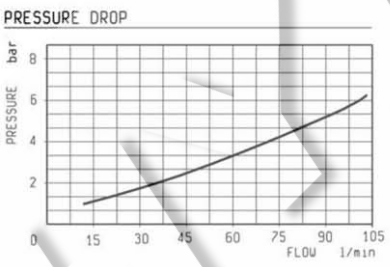
Rated Flow **100 l/min**

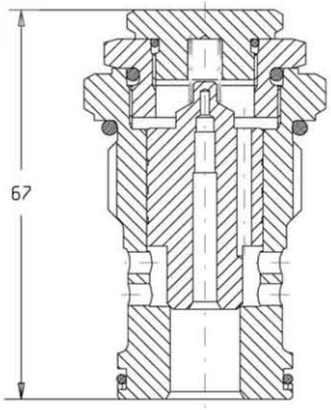
- Cavity - Tooling (page 7.01.11) : 021-E
- Weight : 0.320 kg
- Fluids - Temperatures - Testing Conditions - Seals : see page 7.01.04
- Internal Leakage : see page 7.01.04
- Filtration : 25 µm nominal or better, see page 7.01.05
- Mounting Position : unrestricted



ORDERING OPTIONS

Spring Cracking Pressure 1 bar	**Z = 01**
Spring Cracking Pressure 5 bar	**Z = 05**



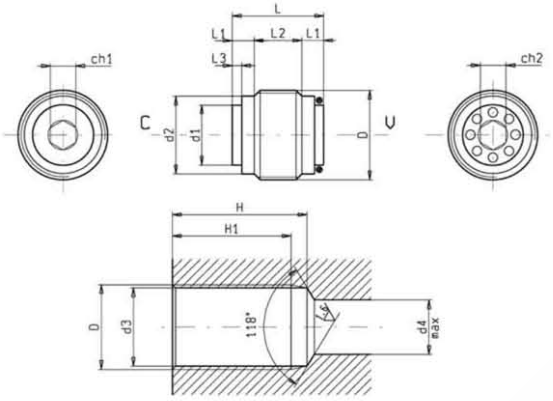


HYDROVA

DIRECTIONAL CONTROL VALVES

INSERT-TYPE CARTRIDGE CHECK VALVES

VU-LN OD.44.02.00 - Y - Z



DESCRIPTION - OPERATION

These valves are particularly suitable to be used in integrated circuits due to very small dimensions and ease of installation. They have to be mounted as indicated .

FEATURES - RATINGS

Maximum Operating Pressure **350 bar**

Rated Flow **see table**

- Fluids - Temperatures - Testing Conditions - Seals : see page 7.01.04
- Internal Leakage : see page 7.01.04
- Filtration : 25 µm nominal or better, see page 7.01.05

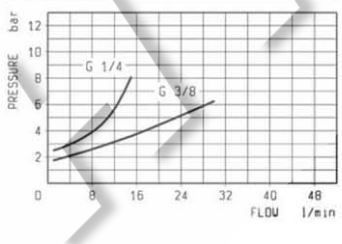


L3	L2	L1	L	H1	H	ch2	ch1	d4	d3	d2	d1	Y
1	6	5.5	17	25	28	3	3	8	11.8	11.3	9.2	**09**
1.8	7.5	5.5	18.5	27	30	3	4	9	15.2	14.8	11	**02**
1.8	9.5	6.5	22.5	32	36	5	6	12	19	18.5	14.2	**03**
2.7	14.5	7	28.5	37	42	8	8	17	24.5	24.1	19	**04**

Z	CRACKING PRESSURE bar			
	G 1/4	G 3/8	G 1/2	G 3/4
01	2.3	1.75	1.75	0.3

O - Ring Size	O - Ring Code	TIGHTENING TORQUE Cartridge	WEIGHT Kg	FLOW MAX. l/min	D	Y
9 x 1	11.02.01.989	6 Nm	0.015	**15**	**G 1/4**	**09**
10.8 x 1.8	11.02.01.015	6 Nm	0.025	**30**	**G 3/8**	**02**
14 x 1.8	11.02.01.018	10 Nm	0.040	**50**	**G 1/2**	**03**
18.7 x 2.6	11.02.01.072	20 Nm	0.070	**80**	**G 3/4**	**04**

PRESSURE DROP



PRESSURE DROP

