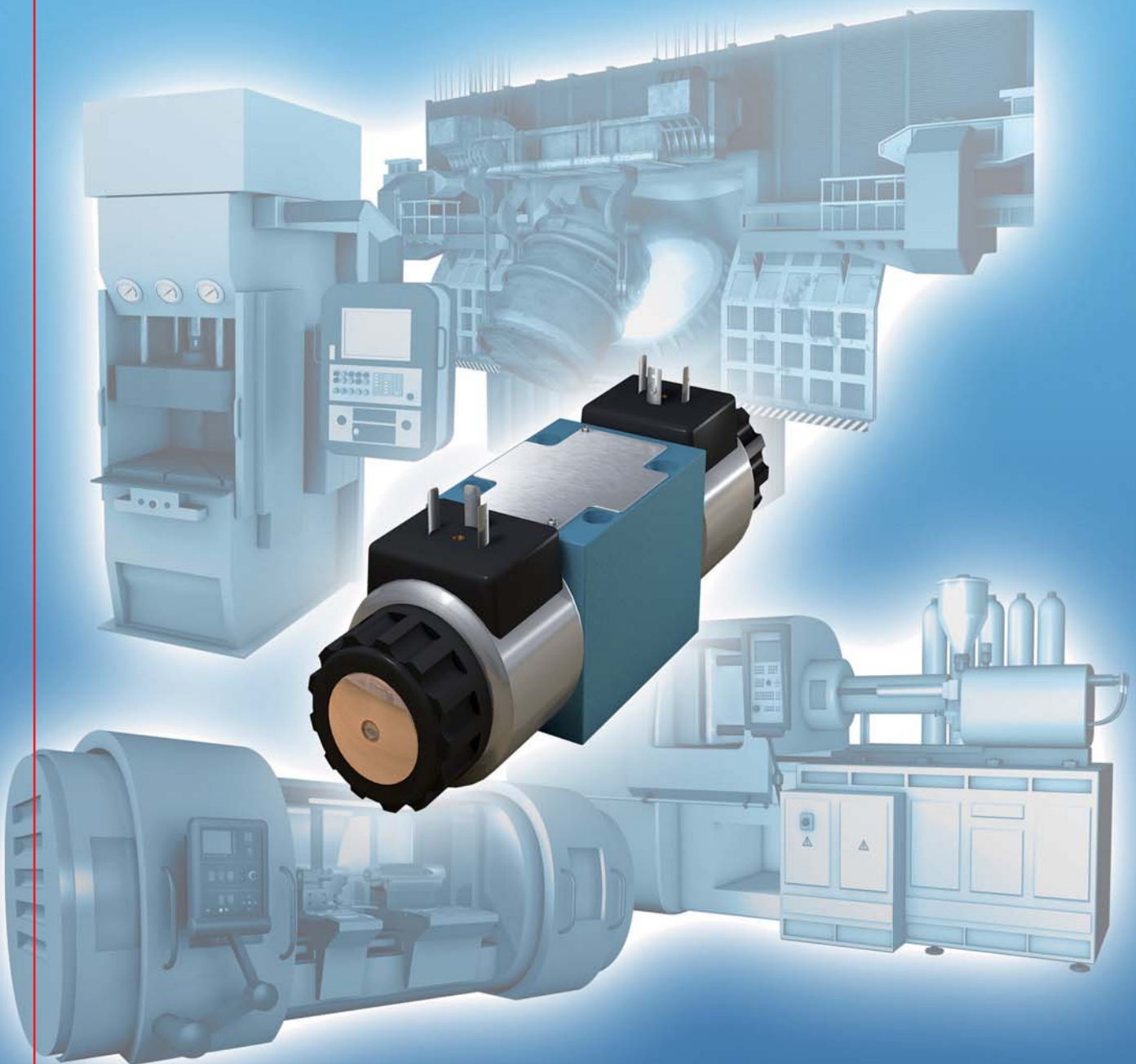
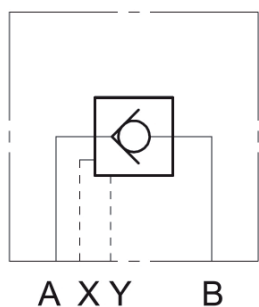


HYDAC Fluidtechnik: Industrial Valves

PILOT CONTROLLED CHECK VALVE
VP RP





up to 320 bar
up to 50 l/min

Check valve pilot to open subplate VP-RP10

FEATURES

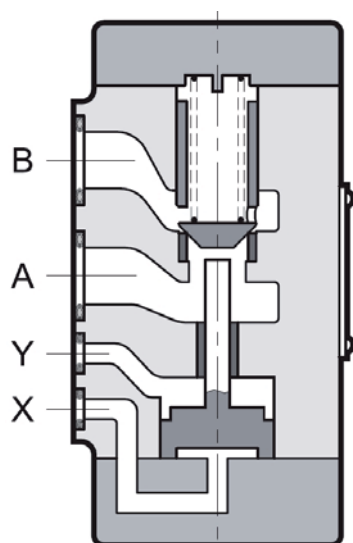
- Hole pattern to ISO 5781-06, Nominal size 10
- pilot to open check valve
- low flow loss by maximum size bore holes

SPECIFICATIONS

Operating pressure:	max. 320 bar
Flow rate:	max. 50 l/min
Pilot ration:	3,4 : 1
Operating fluid:	hydraulic oil to DIN 51524 part 1 and 2
Operating fluid temp. range:	-20 °C up to max. +80 °C
Ambient temperature range:	-20 °C up to max. +50 °C
Viscosity range:	7,4 – 400 mm ² /s is recommended
Filtration:	Class 20/18/15 according to

Installation:	ISO 4406
Hole pattern:	no orientation restriction
Weight:	according to ISO5781-06
	3,7 kg

FUNCTION

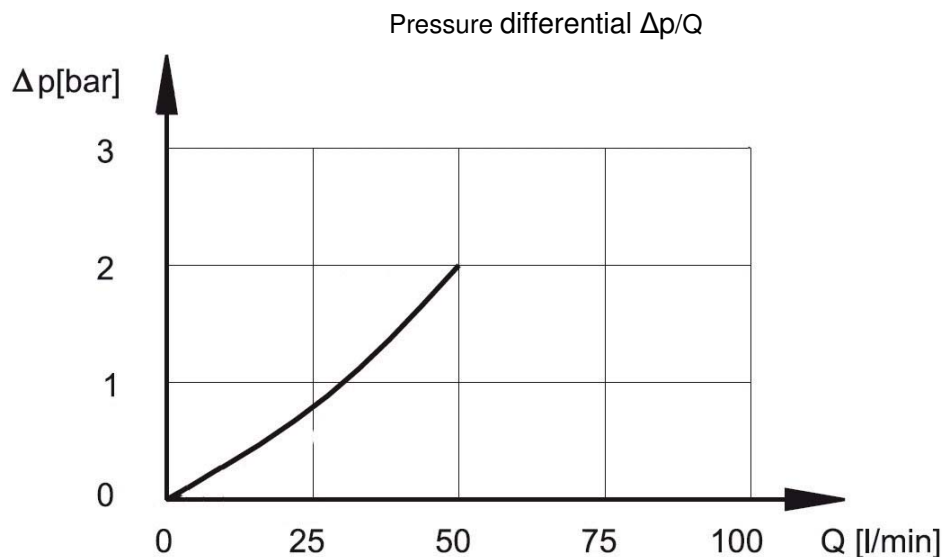


DIAGRAMS

measured at 36 mm²/s and 50 °C

The data in the diagram are valid for the flow from B→A and A→B with an open valve.

For the flow from ports A→B, with a closed valve please add the cracking pressure to the data in the diagram.



Standard models

VP-RP10 35 S01/N

VP-RP10 50 S01/N

Other types on request

Part No.

3493369

3493370

MODEL CODE

VP-RP10 35 S01 /V

Name and size

Check valve pilot to open NW 10

Cracking pressure

35 = 3,5 bar

50 = 5,0 bar

Type

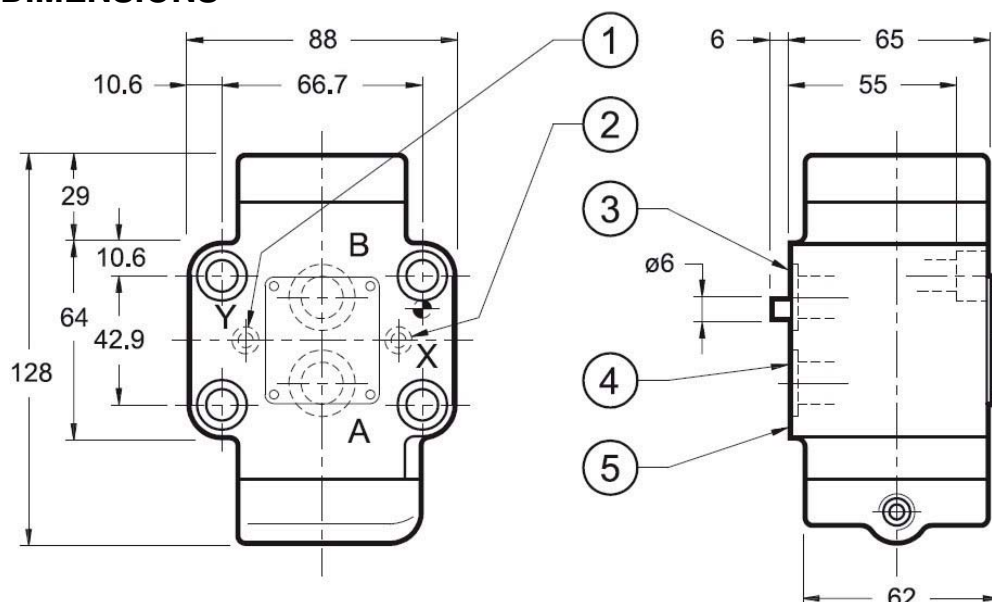
S01 = Standard

Seal material

V = Viton (Standard)

N = NBR

DIMENSIONS



- 1) External leakage line Y
- 2) Control port X
- 3) Outlet port B
- 4) Inlet port A
- 5) Mounting plate with O-rings
2x O-Ring 17,13 x 2,62 NBR
(Mat. 6074325)
2x O-Ring 5,28 x 1,78 NBR
(Mat. 632693)
- 6) Type plate

Fastening screws:

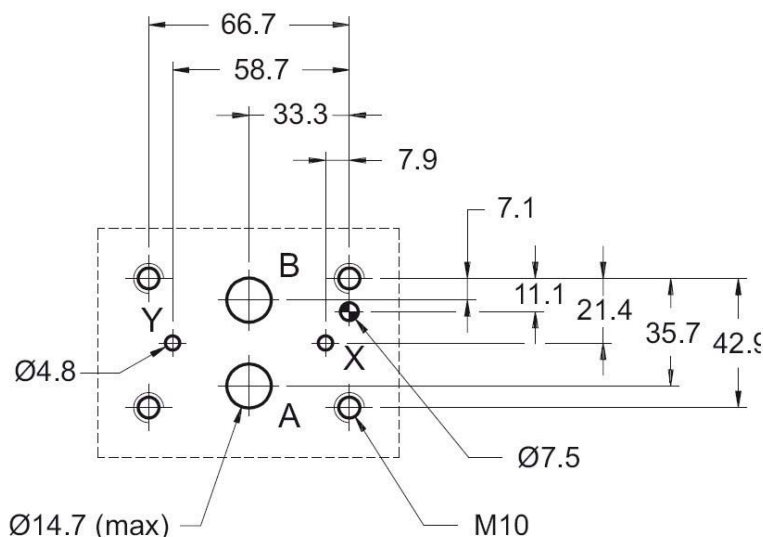
4x Allen key M10x70

Torque: 40 Nm + 4 Nm

All dimensions in mm.

Fastening elements are not in the scope of delivery.

Mounting plate to ISO 5781-06-07-*-00



Annotation

The information in this brochure relates to the operating conditions and applications described.

For applications or operating conditions not described, please contact the relevant technical department.

Subject to technical modifications.

Address: HYDAC Fluidtechnik

Street Justus-von-Liebig-Str. 5

City 66280 Sulzbach / Saar

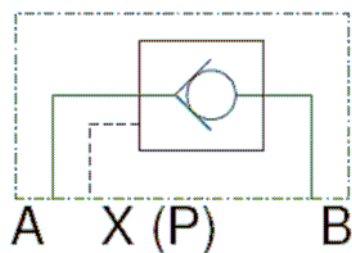
Tel. 06897 / 509 -0

Fax 06897 / 509 -598

Email flutec@hydac.com



up to 350 bar
up to 60 l/min



Check valve

Hydraulically pilot to open subplate

VP-RP6

FEATURES

- Hole pattern to ISO 24340, Nominal size 6
- Pilot to open check valve

SPECIFICATIONS

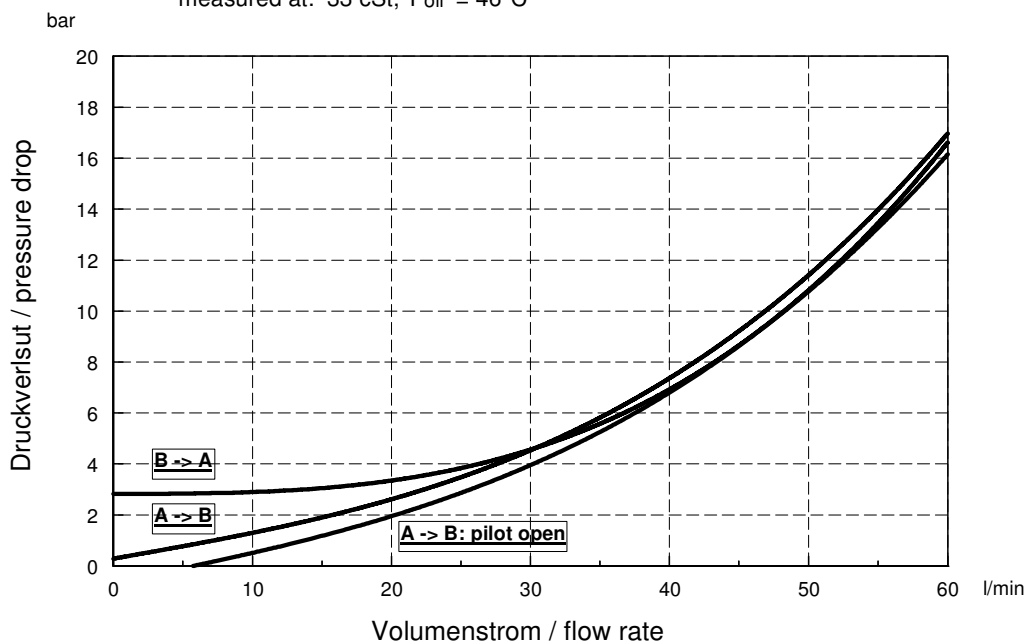
Operating pressure:	max. 350 bar
Flow rate:	max. 60 l/min
Leakage (internal):	0,1 cc/min
Pilot ratio:	3,1 : 1
Cracking pressure:	1 bar
Fluids:	Hydraulic oil to DIN 51524 part 1 and 2
Temp. range of the operating fluid:	-20 °C up to max. +80 °C
Ambient temperature range:	-20 °C up to max. +50 °C
Viscosity range:	7,4– 400 mm ² /s is recommended
Filtration:	Class 21/19/16 according to ISO4406
Installation:	no orientation restrictions
Hole pattern:	ISO24340 Form A6
Weight:	1,0 kg

DIAGRAMS

VP-RP6 15 S01/N

gemessen bei:

measured at: 33 cSt; T_{oil} = 46 °C



Standard models

VP-RP6 15 S01/N

Part No.

3497270

Other types on request

TYPENSCHLÜSSEL

VP-RP6 15 S01/V

Name and size

Check valve pilot to open NW 6

Cracking pressure

$$15 = 1 \text{ bar}$$

Type

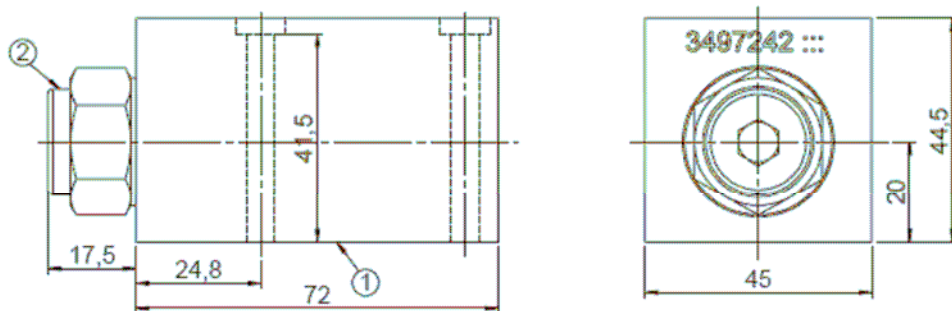
S01 = Standard

Seals

V = Viton (Standard)

$$N = NBR$$

DIMENSIONS



- 1) Mounting plate with O-rings:
4x O-Ring 9,25 x 1,78 (Mat. 604053)
- 2) Check valve pilot to open

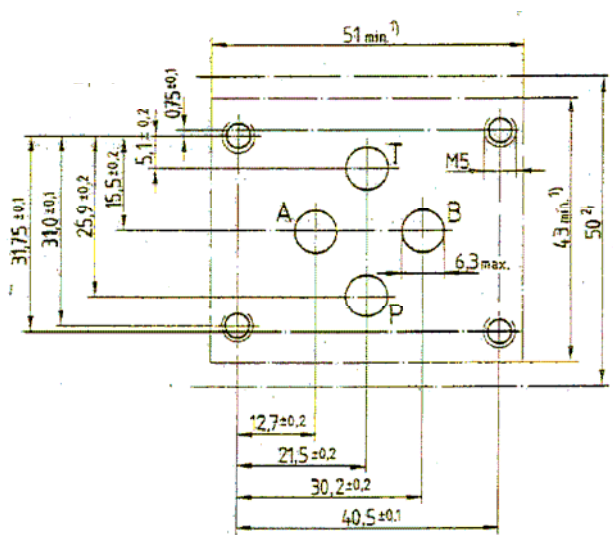
Fastening screws: 4x Allen key M5 x 50

Torque: $5 \text{ Nm} + 0,5 \text{ Nm}$

All dimensions in mm.

Fastening elements are not in the scope of delivery.

Mounting plate to ISO 24340 Form A6



Annotation

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