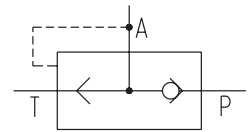


- Screw-in cartridge valve
- For leak-free applications
- Simple design
- High reliability



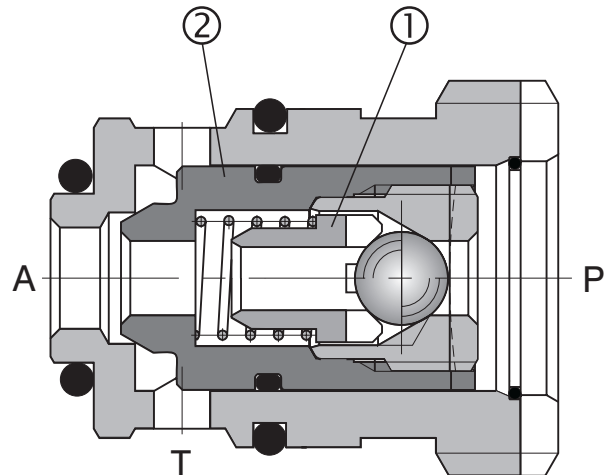
### Functional Description

The fluid pressure in port P opens the ball check valve (1), thus allowing the fluid to pass to port A. Due to the area and pressure differential between ports P and A, the poppet (2) closes tightly the connection between ports A and T.

If there is no pressure in port P, then any pressure in port A causes the fluid to pass in the direction A → T. At the same time, the ball check valve provides a leak free closure between ports A and P.

The valve housing and the poppet are made of steel and hardened steel respectively.

The valve is delivered without any surface treatment.



### Ordering Code

**VJL2 - 304 -**

Logical check valve

3-way design

Nominal size

**Seals**  
without designation      Standard (NBR)  
**V**                                      Viton (FPM)

**Type of the connecting thread**  
Metric thread (M22 x 1.5)  
**M**                                      Pipe thread (G1/2)  
**G**

### Spare Parts

#### Seal kit

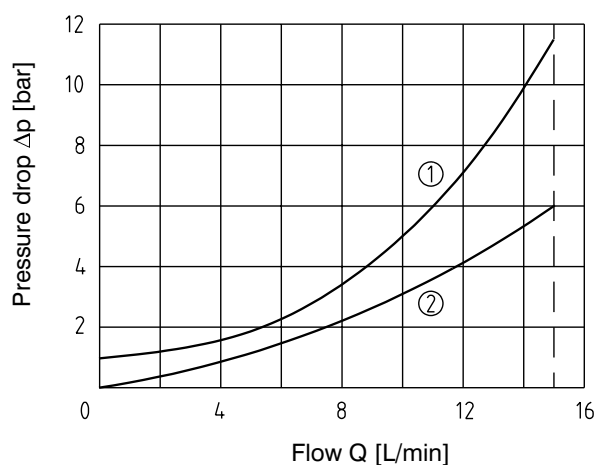
Type	Dimensions, quantity		Ordering number
Standard NBR	O-ring	14 x 1.78 (1 pc.)	531-0205
		9 x 1.8 (1 pc.)	
		10 x 1 (1 pc.)	
Viton		14 x 1.78 (1 pc.)	531-0206
		9.25 x 1.78 (1 pc.)	
	10 x 1 (1 pc.)		

## Technical Data

Nominal size	mm	04
Nominal flow rate P → A	L/min	10
Nominal flow rate A → T	L/min	15
Maximum working pressure	bar	210
Pressure drop	bar	see the characteristic
Hydraulic fluid	Hydraulic fluids of power classes HM, HV to CETOP-RP 91H in viscosity classes ISO VG 32, 46 and 68	
Fluid temperature range (NBR)	°C	-30 ... +80
Fluid temperature range (Viton)	°C	-20 ... +80
Viscosity range	mm <sup>2</sup> /s	20 ... 400
Maximum degree of fluid contamination	Class 21/18/15 to ISO 4406 (1999).	
Weight	kg	0.04
Mounting position	optional	

## Δp-Q Characteristics

Measured at  $v = 35 \text{ mm}^2/\text{s}$  and  $t = 40 \text{ °C}$

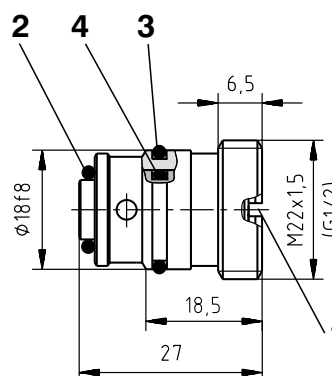
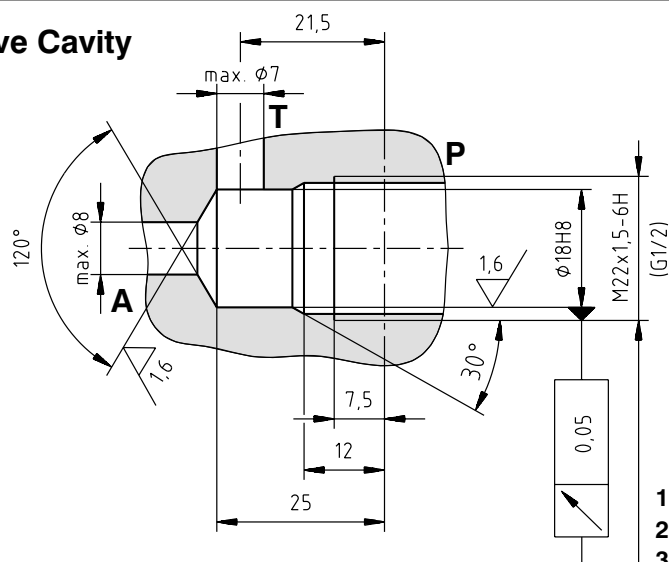


- ① Flow direction P → A  
② Flow direction A → T

## Valve Dimensions

Dimensions in millimetres

### Valve Cavity



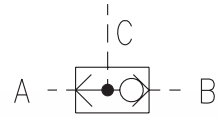
- 1 Screw driver slot for valve in cavity  
2 O-Ring 9 x 1.8 NBR70 (1 pc.), supplied with valve  
3 O-Ring 14 x 1.78  
4 O-Ring 10 x 1 (1 pc.), supplied with valve

## Caution!

- The packing foil is recyclable.
- The technical information regarding the product presented in this catalogue is for descriptive purposes only. It should not be construed in any case as a guaranteed representation of the product properties in the sense of the law.

ARGO-HYTOS a. s. CZ - 543 15 Vrchlábí  
Tel.: +420-499-403111, Fax: +420-499-403421  
E-mail: sales.cz@argo-hytos.com  
www.argo-hytos.com

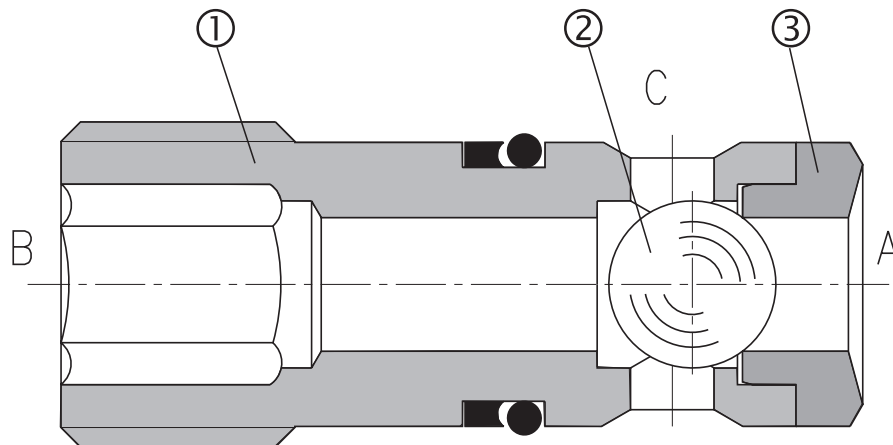
- Compact design
- Poppet design
- Compacting and transmitting a pressure signal



### Functional Description

LV1-043 is 2/3-way poppet valve consists of the valve housing (1), the seat (3) and the ball (2).

It connects the users A or B with C according to the size of the control signal in these ports.



### Ordering Code

**LV1-043**

Logical valve

Nominal size

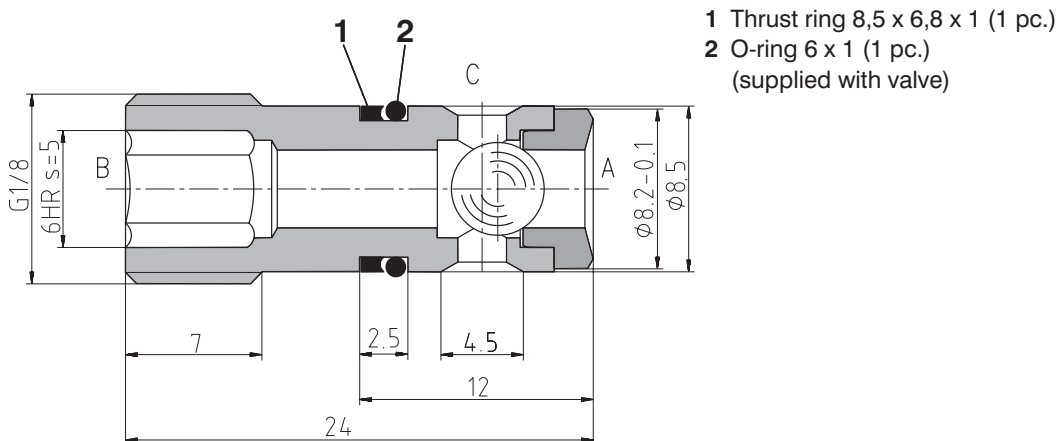
3 - way design

## Technical Data

Nominal size	mm	04
Maximum flow rate	L/min	8
Maximum working pressure	bar	500
Hydraulic fluid	Hydraulic fluids of power classes HM,HV to CETOP-RP 91 H in viscosity classes ISO VG 32, 46 and 68.	
Maximum degree of fluid contamination	Class 21/18/15 to ISO 4406 (1999).	
Mounting position	optional	
Weight	kg	0,01

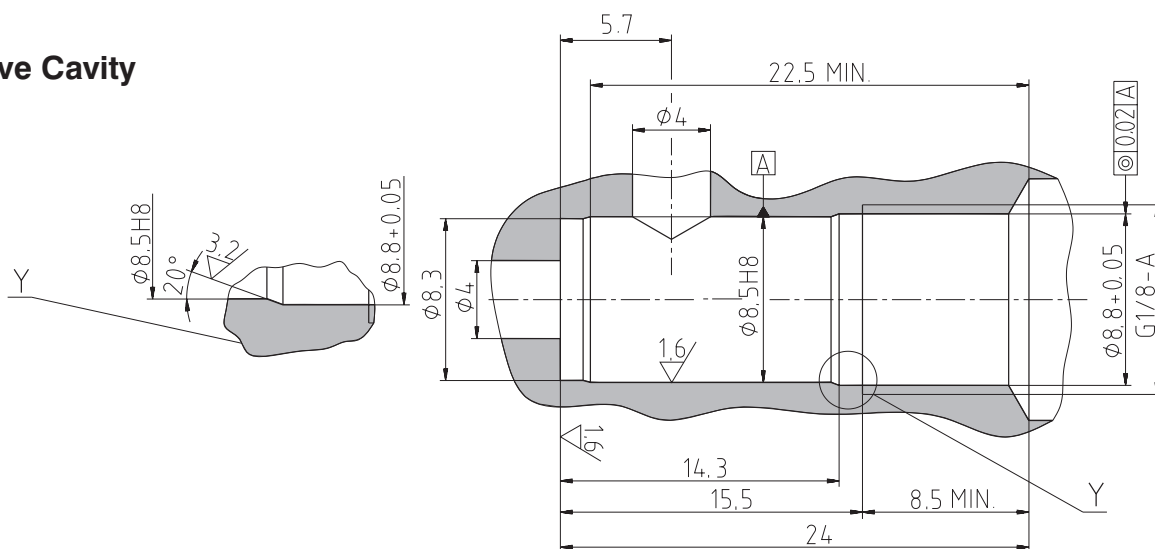
## Valve Dimensions

Dimensions in millimetres



- 1 Thrust ring 8,5 x 6,8 x 1 (1 pc.)
- 2 O-ring 6 x 1 (1 pc.)  
(supplied with valve)

## Valve Cavity



## Spare Parts

Seal kit		
Type	Dimensions, quantity	Ordering number
O-ring	6 x 1 (1 pc.)	531-0313
Thrust ring	8,5 x 6,8 x 1 (1 pc.)	

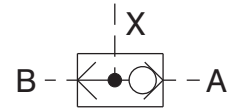
## Caution!

- The packing foil is recyclable.
- Tightening torque 12 Nm.
- The technical information regarding the product presented in this catalogue is for descriptive purposes only. It should not be construed in any case as a guaranteed representation of the product properties in the sense of the law.

ARGO-HYTOS a. s. CZ - 543 15 Vrchlabí  
 Tel.: +420-499-403111, Fax: +420-499-403421  
 E-mail: sales.cz@argo-hytos.com  
 www.argo-hytos.com

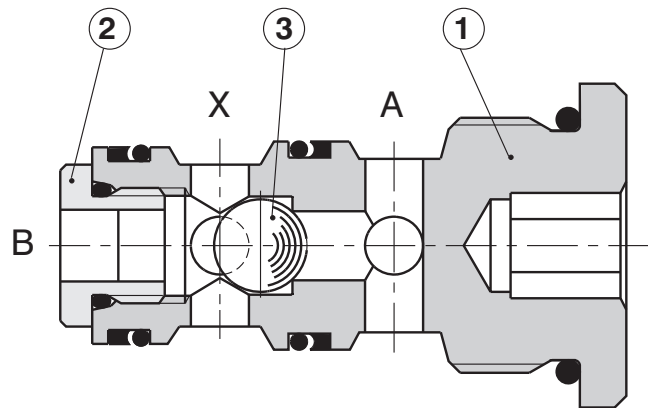
Size 06 (D03) •  $p_{max}$  up to 320 bar (4641PSI) •  $Q_{max}$  up to 40L/min (10.57GPM)

- Ball-valve
- Poppet design
- Comparing and transmitting a pressure signal



### Functional Description

LV1-063 is 3 way poppet valve consists of the valve housing (1), the seat (3) and the ball (2). It connects the users B or A with X according to the size of the control signal in these ports.



### Ordering Code

**LV1-063**

Logical Valve

Nominal size

no designation

Seals  
NBR

3 way design

### Technical Data

Nominal size	mm (US)	06 (D 03)
Maximum flow rate	L/min (GPM)	40 (10.57)
Maximum working pressure	bar(PSI)	320 (4641)
Fluid temperature range (NBR)	°F (°C)	-30 ... +100 (-22 ... +212)
Viscosity range	SUS (mm <sup>2</sup> /s)	20 ... 400 (98 ... 1840)
Hydraulic fluid		Hydraulic oils of power classes (HL, HLP) to DIN 51524
Maximum degree of fluid contamination		Class 21/18/15 to ISO 4406 (1999)
Mounting position		optional
Weight	kg(lb)	0,078 (0.41)

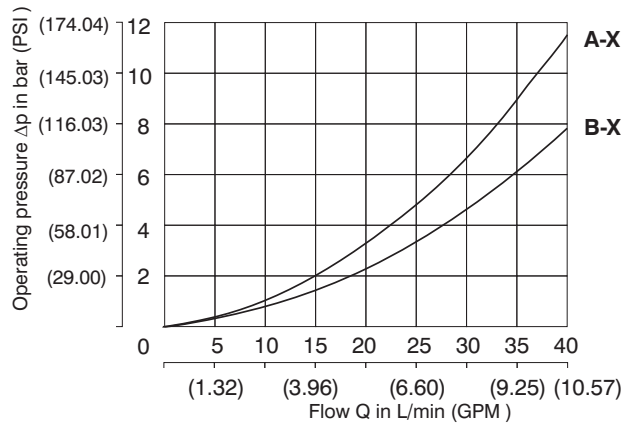
### Spare Parts

#### Seal kit

Type	Dimensions, quantity		Ordering number
	O-ring	Back-up ring	
Standard - NBR	14 x 1.78 NBR 90 (2 pc.)	BBP80B015-N9 14.73 x 17.43 x 1.14 (2 pc.)	531-9007
	19.4 x 2.1 NBR 80 (1 pc.)	-	

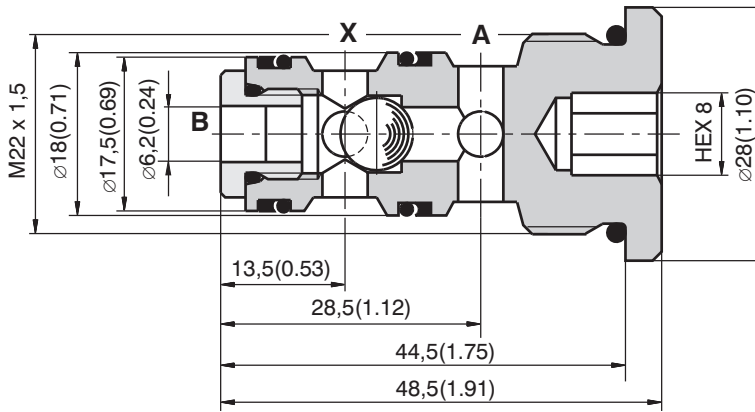
# Δp-Q Characteristics

Measured at  $v = 32 \text{ mm}^2/\text{s}$  (156 SUS)

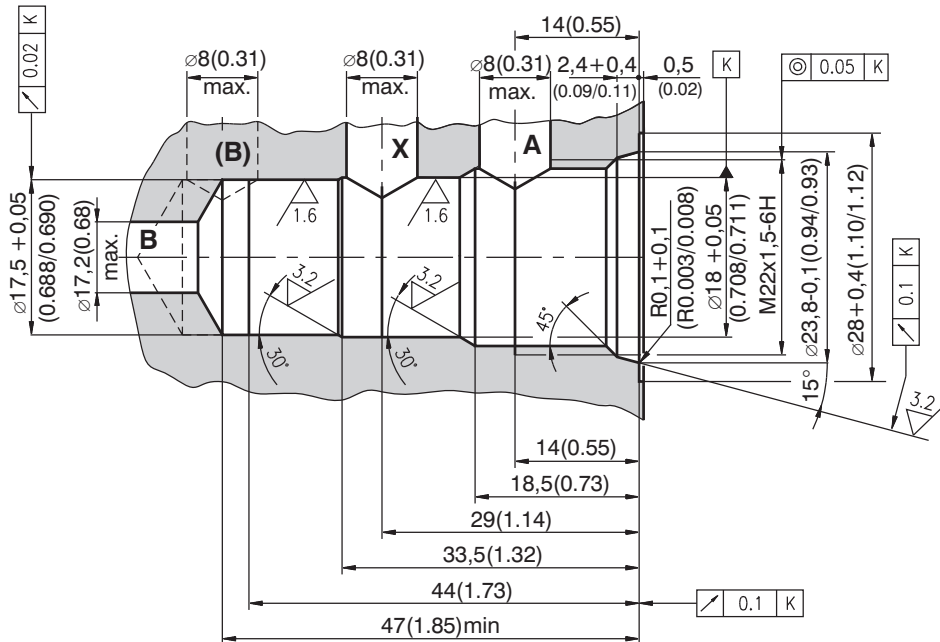


# Valve Dimensions

Dimensions in inches and millimeters (in brackets)



# Cavity

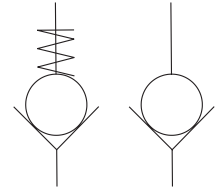


# Caution!

- The packing foil is recyclable.
- Tightening torque 30 Nm.
- The technical information regarding the product presented in this catalogue is for descriptive purposes only. It should not be construed in any case as a guaranteed representation of the product properties in the sense of the law.

ARGO-HYTOS s.r.o. CZ - 543 15 Vrchlabí  
 Tel.: +420-499-403111, Fax: +420-499-403421  
 E-mail: sales.cz@argo-hytos.com  
 www.argo-hytos.com

- Mounting styles:**
  - for in-line mounting
  - straight valve cartridge
  - right angled valve cartridge



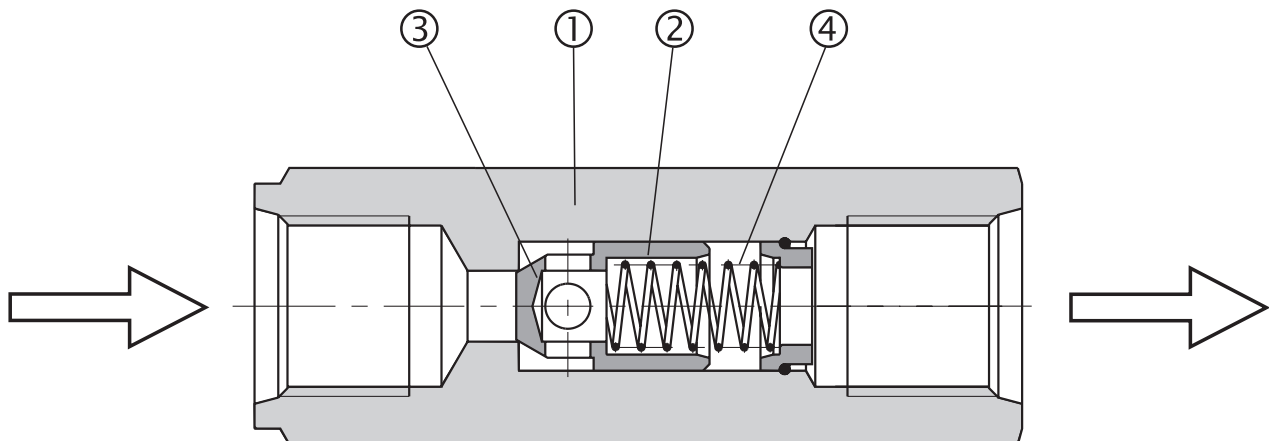
- Six sizes**
- Poppet design**
- Leakfree condition in one direction**
- Four cracking pressures**



## Functional Description

The check valve is used to allow flow in one direction and prevent flow in the other. The poppet design guarantees leakfree condition in one direction. The seat (3) is directly in the housing (1) and the poppet (2) is pushed onto the seat by the compression spring (4). Design without spring pushes the poppet (2) on to

the seat by pressure of the fluid. The cracking pressure depends on the spring selected and the pressurised poppet surface area. Four cracking pressures are available. The valve without cracking pressure is also available (without spring). The valve housing is zinc coated.



# Ordering Code

VJ3 -  -  -

Check valve

**Model**  
**G1** For in-line mounting with G threads  
 02\* Straight valve cartridge  
 03\* Straight valve cartridge

Nominal size	
06	<b>06</b>
10	<b>10</b>
16	<b>16</b>
20	<b>20</b>
25	<b>25</b>
30	<b>30</b>

Cracking pressure in bar	
000	Without spring
<b>005</b>	0,5
015	1,5
030	3,0
	0.5

\*For sizes 06, 10, 16, 20 only

**FOR PREFERRED TYPES SEE BOLD TYPING IN ORDERING CODE AND TABLE OF PREFERRED TYPES ON PAGE 4**

## Technical Data

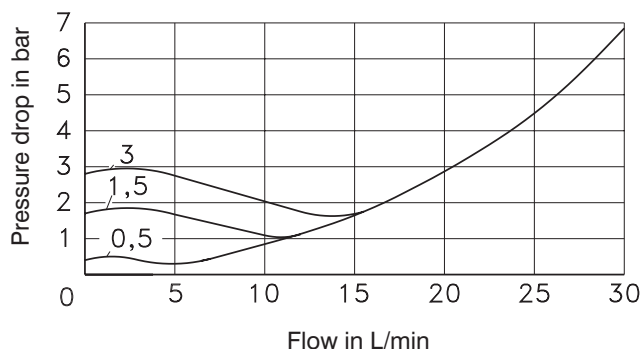
Nominal size	mm	06	10	16	20	25	30
Maximum flow rate	L/min	30	60	160	250	300	400
Maximum pressure	bar	320					
Cracking pressure	bar	0,5		1,5		3,0	
Hydraulic fluid		Hydraulic oils of power classes HM, HV to CETOP RP 91 H in viscosity classes ISO VG 32, 46 and 68					
Fluid temperature range - model G1 - models 02, 03	°C	-40 ... +80 -30 ... +80					
Ambient temperature range	°C	-40 ... +55					
Viscosity range	mm <sup>2</sup> /s	10 ... 400					
Maximum degree of fluid contamination		Class 21/18/15 according to ISO 4406 (1999).					
Weight - model G1 - models 02, 03	kg	0,11 0,05	0,34 0,09	0,52 0,22	0,95 0,26	1,95 -	2,35 -
Mounting position		optional					

## Performance Curves

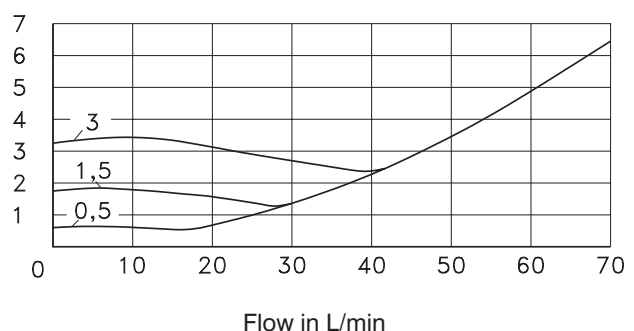
Measured at  $v = 35 \text{ mm}^2/\text{s}$  and  $t = 40^\circ\text{C}$

### Pressure drop dependent upon flow

Nominal size 06



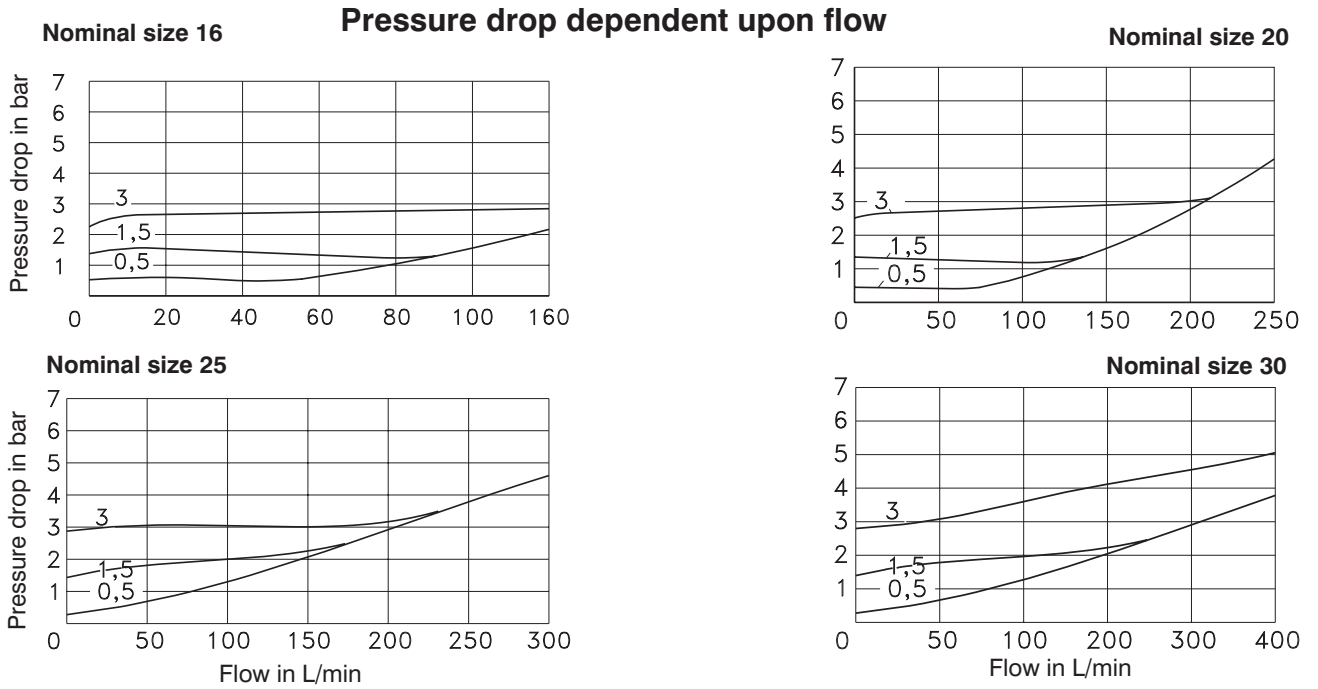
Nominal size 10





# Performance Curves

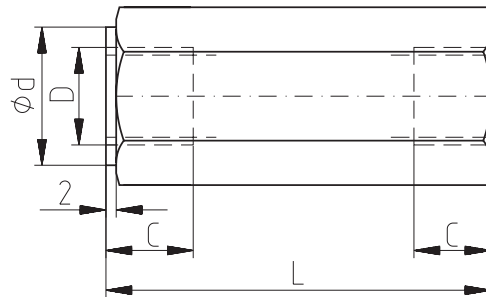
Measured at  $v = 35 \text{ mm}^2/\text{s}$  and  $t = 40^\circ\text{C}$



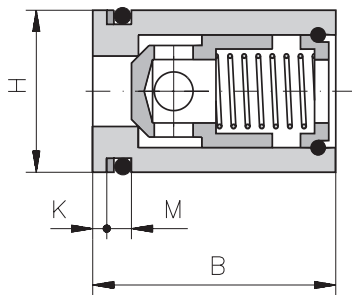
## Valve Dimensions

Dimensions in millimetres

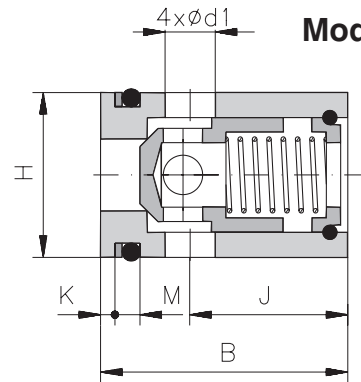
### Model G1



### Model 02



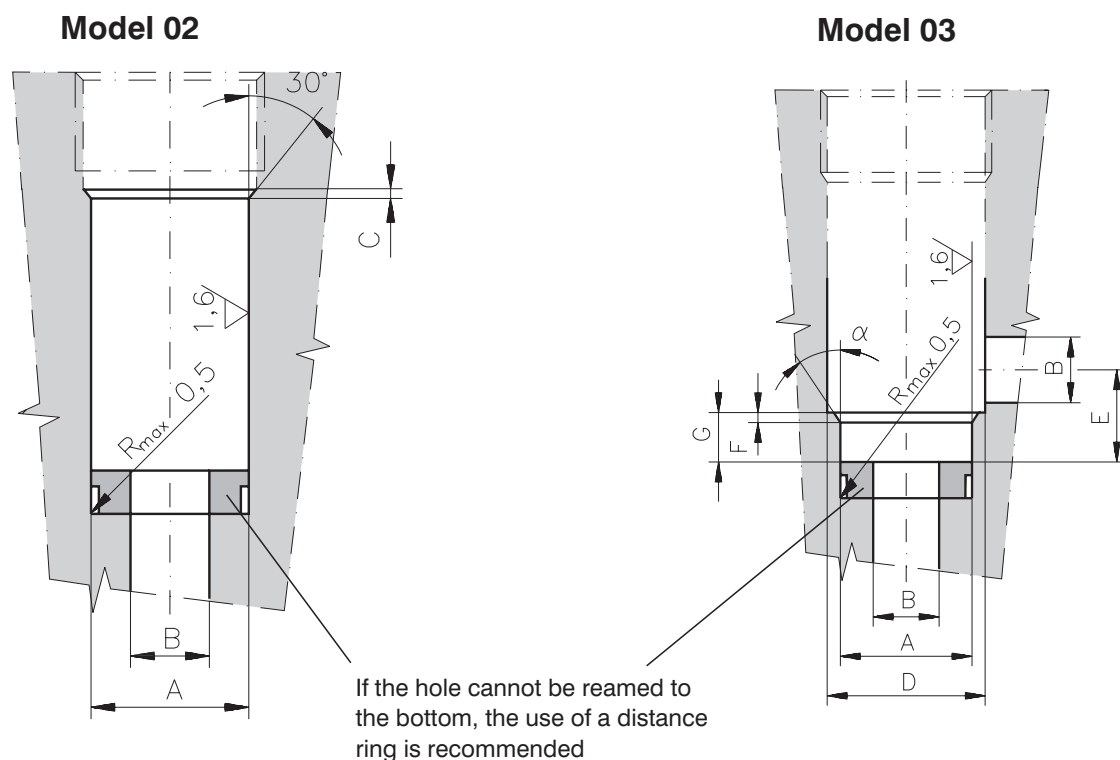
### Model 03



Size	A	B	C	D	Ø d	Ø d1	E	
			G1	G1				
06	19	27 - 0,2	12	G 1/4	19	3,5	22	
10	30	32 - 0,2	14	G 1/2	30	5,5	34,5	
16	36	45 - 0,2	16	G 3/4	36	8,5	41,5	
20	46	45 - 0,2	18	G 1	46	10,5	53	
25	60	-	20	G1/4	60	-	69	
30	65	-	22	G1/2	65	-	75	
Size	H	J	K	L	M	O-ring	Back-up ring	
06	Ø 20 f8	18	1,6	58	4,4 +0,2	15,08 x 2,62	BBP 80 B 113 - N90 14,66 x 19,02 x 1,14	
10	Ø 25 f8	20	1,6	72	4,4 +0,2	20 x 2,65	M 8 - 116 19,43 x 23,79 x 1,14	
16	Ø 35 f8	27	2,2	85	5,3 +0,2	28 x 3,55	S 8 - 216 28,98 x 34,98 x 1,02	
20	Ø 40 f8	25	2,2	98	5,3 +0,2	32,92 x 3,53	BBP80B219-N90 33,88 x 34,98 x 1,02	
25	-	-	-	120	-	-	-	
30	-	-	-	132	-	-	-	

## Installation Cavity

(length according to distance ring)



Size	A	B	C	D*	E	F	G	$\alpha$
06	∅ 20 H8	∅ 6	2	∅ 26	10.5	1	7 - 0,3	20°
10	∅ 25 H8	∅ 10	2	∅ 32	14	1.5	8 + 0,2	30°
16	∅ 35 H8	∅ 16	2	∅ 44	22	2	13 + 0,2	30°
20	∅ 40 H8	∅ 20	2	∅ 48	25	2	14 + 0,2	30°

\* minimum diameter recommended

## Preferred Types of Valves

Type	Ordering Number
VJ3-06-005-G1	530-0237
VJ3-10-005-G1	530-0240
VJ3-16-005-G1	530-0243
VJ3-20-005-G1	530-0246
VJ3-25-005-G1	530-0250
VJ3-30-005-G1	530-0260

## Caution!

- The packing foil is recyclable.
- The technical information regarding the product presented in this catalogue is for descriptive purposes only. It should not be construed in any case as a guaranteed representation of the product properties in the sense of the law.

ARGO-HYTOS a. s. CZ - 543 15 Vrchlabí  
 Tel.: +420-499-403111, Fax: +420-499-403421  
 E-mail: sales.cz@argo-hytos.com  
 www.argo-hytos.com

- Standard and High performance variant
- Poppet design
- Leak free closure in one direction



## Functional Description

The check valve serves the leak free closure in one direction and allows flow in the opposite direction. The poppet design provides leak free closure.

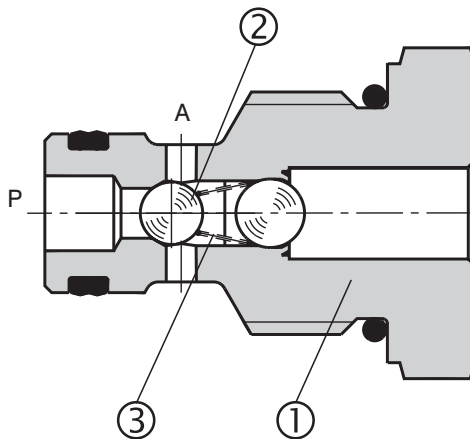
The seat is created directly in the valve housing (1) and the small ball (2) is pushed by spring (3) through the thumb ring (4)\* onto the seat. The cracking pressure depends on the

spring selected, its preloading and the pressurized poppet surface area. Four\* cracking pressures are available. The surface of the valve housing is zinc coated.

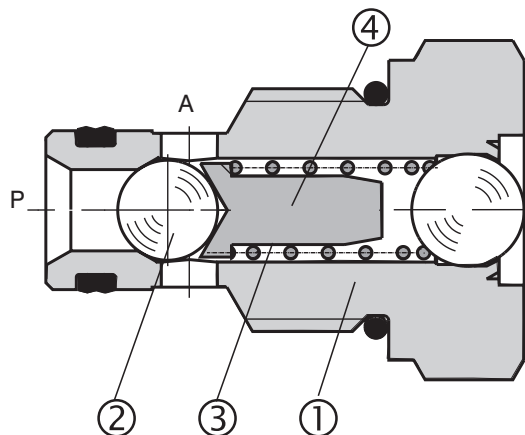
\* With the High performance valve

## Cartridge Valve

Standard performance



High performance



# Ordering Code

**SC1F-A2** /

**Check valves**

Standard  
High performance

**S**  
**H**

Polyurethan, Viton  
Polyurethan, NBR

**V**

**No designation**

**Cracking pressure**

0,5 bar (7,2 PSI)  
1,5 bar (21,7 PSI)  
3,5 bar (50,7 PSI)  
7,0 bar (101,5 PSI)

**\*005**  
**015**  
**035**  
**070**

\* The cracking pressure with a standard valve is 0,5 bar (7,25 PSI)

# Kenngößen

		Standard valve	High performance
Cartridge thread		3/4 16UNF - 2B	
Maximum flow rate	L/min (GPM)	20 (5,3)	40 (10,6)
Maximum operating pressure	bar (PSI)	350 (5076)	420 (6091)
Cracking pressure	bar (PSI)	0,5* (7,25)    1,5 (21,76)	3,5 (50,76)    7,0 (101,53)
Hydraulic fluid		Mineral oil (HM, HV) to DIN 51 254	
Fluid temperature range	°C (°F)	-20 ... +80 (-4 ... +176)	
Ambient temperature range	°C (°F)	-20 ... +80 (-4 ... +176)	
Viscosity range	mm <sup>2</sup> /s (SUS)	10 ... 500 (49 ... 2300)	
Maximum degree of fluid contamination		Class 21/18/15 according to ISO 4406 (1999).	
Weight	kg (lbs)	0,054 (0,119)	0,063 (0,139)
Maximum valve tightening torque		30 <sup>+2</sup> Nm	
Mounting position		optional	

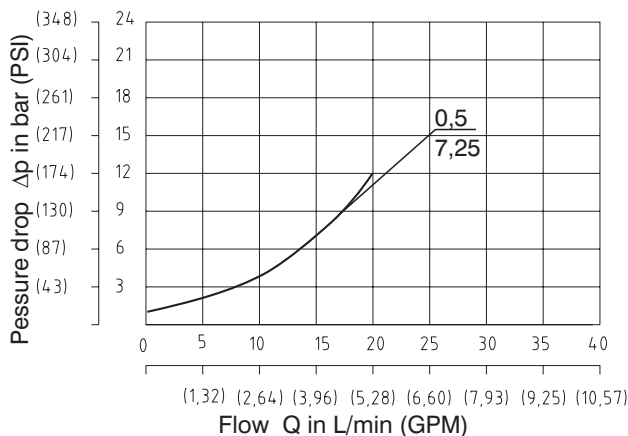
\* The cracking pressure with a standard valve is 0,5 bar (7,25 PSI)

# Δp-Q Characteristics

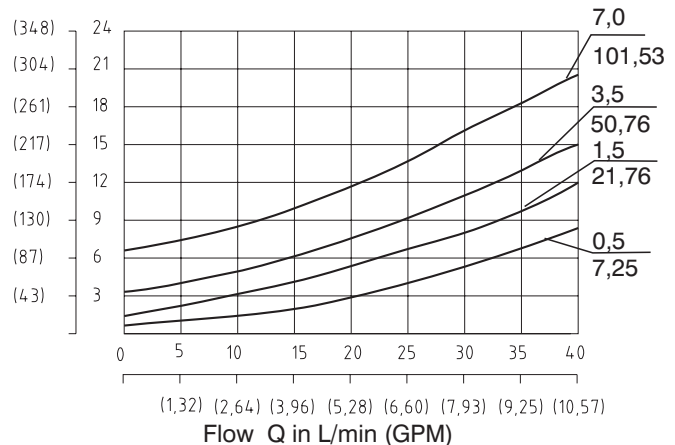
Measured at v = 32 mm<sup>2</sup>/s (156SUS)

Pressure drops related to flow rate.

### Standard valve

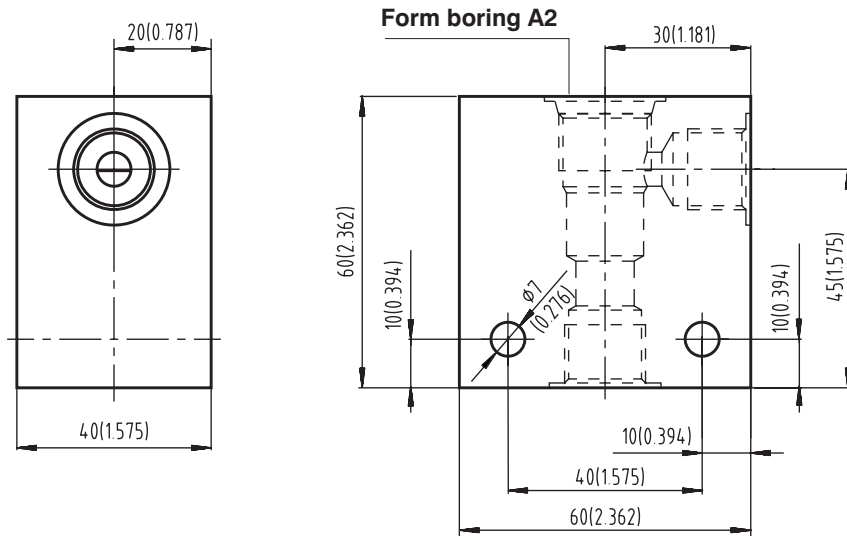


### High performance valve



# Body with Valve

Dimensions in millimeters (inches)



Body material	Connecting size	Type code	Operating pressures
Steel	G3/8	SB-A2-0103ST	420 bar (6091 PSI)
Steel	SAE 6	SB-A2-0102ST	420 bar (6091 PSI)
Aluminium	G3/8	SB-A2-0103AL	250 bar (3626 PSI)
Aluminium	SAE 6	SB-A2-0102AL	250 bar (3626 PSI)

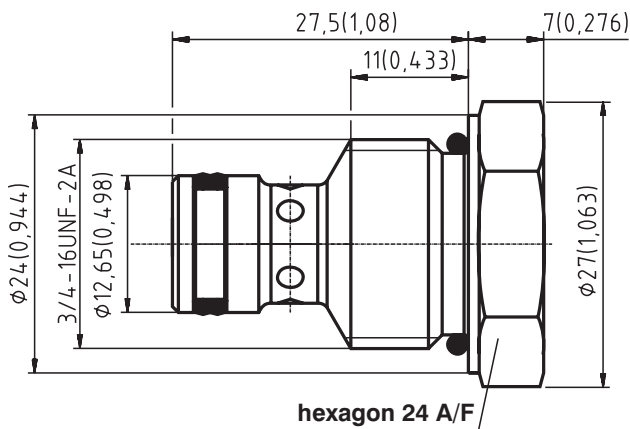
**Note:**

- For detailed valve body ordering code refer to the data sheet HA 0018.

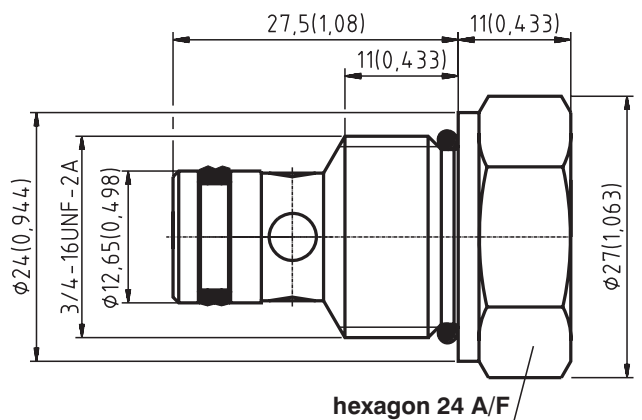
# Valve Dimensions

Dimensions in millimeters (inches)

## Standard valve

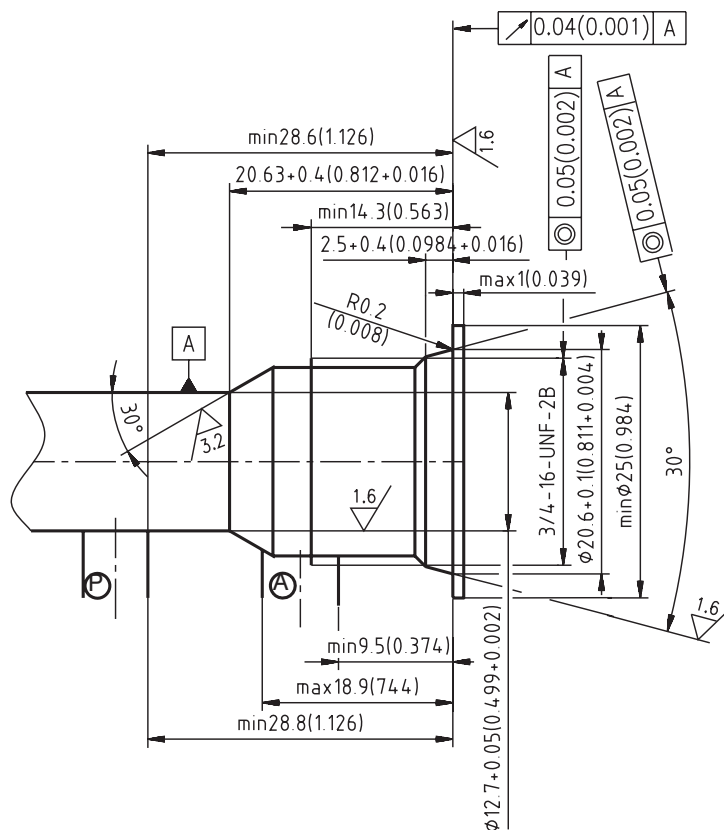


## High performance valve



# Insatallation cavity

Dimensions in millimeters (inches)



## Spare parts

### Standard and high performance valve

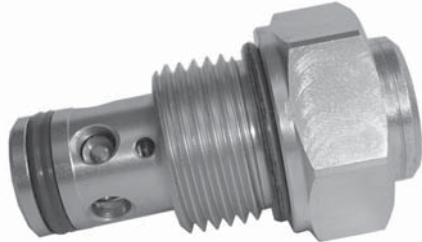
Dualeal - PU	O-ring - NBR	O-ring - Viton	Order number
10,3 x 12,7 x 3,1 (1pc.)	17 x 1,8 (1pc.)	-	531-9005
10,3 x 12,7 x 3,1 (1pc.)	-	17,17 x 1,78 (1pc.)	531-9006

## Caution!

- The packing foil is recyclable.
- The technical information regarding the product presented in this catalogue is for descriptive purposes only. It should not be construed in any case as a guaranteed representation of the product properties in the sense of the law.

ARGO-HYTOS a. s. CZ - 543 15 Vrchlabí  
 Tel.: +420-499-403111, Fax: +420-499-403421  
 E-mail: sales.cz@argo-hytos.com  
 www.argo-hytos.com

- Poppet design
- Leakfree closure in one direction
- Four cracking pressures



### Functional Description

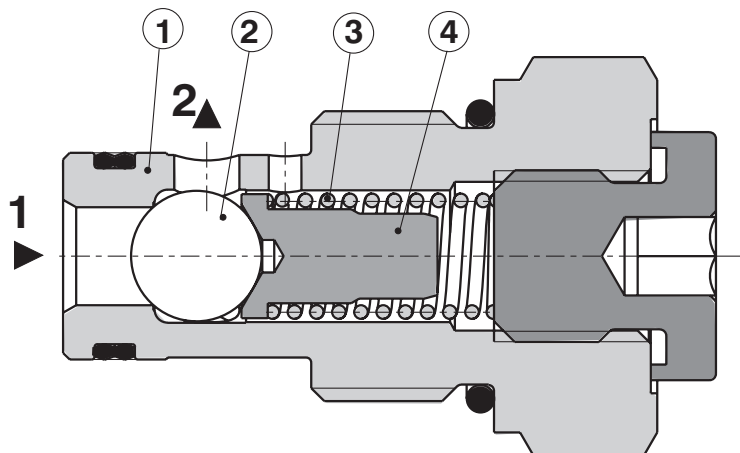
The check valve serves the leak free closure in one direction and allows flow in the opposite direction. The poppet design provides leak free closure.

The seat is created directly in the valve housing (1) and the small ball (2) is pushed by spring (3) through the thumb ring (4)\* onto the seat. The cracking pressure depends on the spring selected, its preloading and the

pressurized poppet surface area. Four\* cracking pressures are available.

The surface of the valve housing is zinc coated.

\* With the High performance valve



# Ordering Code

**SC1F-B2** /

no designation  
**V**

**Seals**

NBR  
FPM (Viton)

Check valves

**Cracking pressure**

0,5 bar (7.2 PSI)  
1,5 bar (21.7 PSI)  
3,5 bar (50.7 PSI)  
5,0 bar (71,5 PSI)  
7,0 bar (101.5 PSI)

High performance

**H**

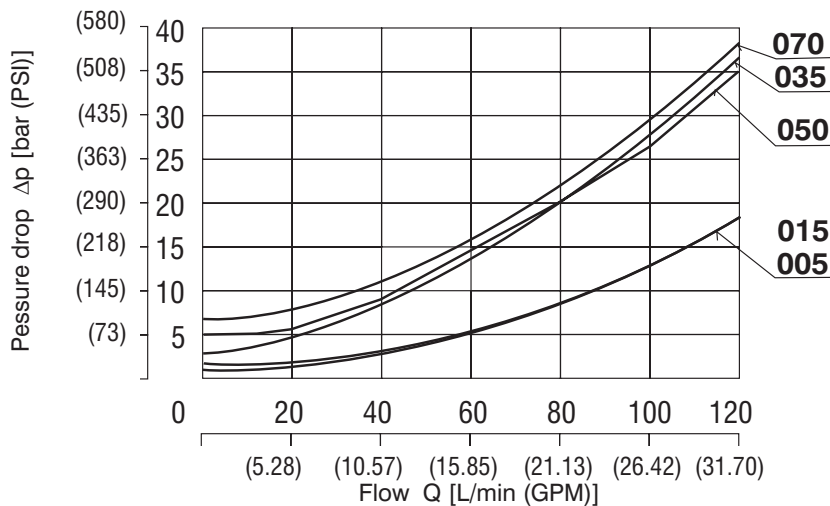
**005**  
**015**  
**035**  
**050**  
**070**

# Technical Data

		High performance
Cartridge thread		7/8 14UNF - 2B
Maximum flow rate	L/min (GPM)	120 (31.7)
Max. operating pressure	bar (PSI)	420 (6091)
Cracking pressure	bar (PSI)	0,5 (7.2) 1,5 (21.7) 3,5 (50.7) 5,0 (71.5) 7,0 (101.5)
Hydraulic fluid		Hydraulic oils of power classes (HL, HLP) to DIN 51524
Fluid temperature range (NBR)	°C (°F)	-30 ... +100 (-22 ... +212)
Fluid temperature range (Viton)	°C (°F)	-20 ... +120 (-4 ... +248)
Viscosity range	mm <sup>2</sup> /s (SUS)	10 ... 500 (49 ... 2450)
Maximum degree of fluid contamination		Class 21/18/15 according to ISO 4406 (1999)
Valve tightening torque	Nm ( lbf.ft)	60 +2 (44.25 +1.47)
Weight	kg(lbs)	0,12
Mounting position		optional

# Δp-Q Characteristics

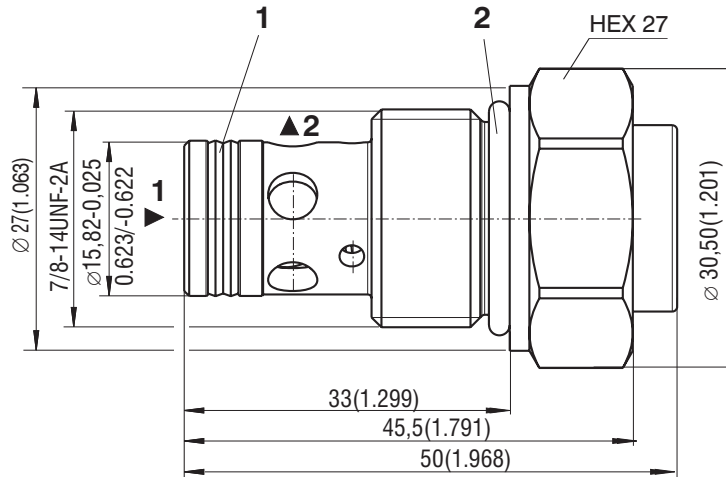
Measured at v = 32 mm<sup>2</sup>/s (156 SUS)





# Valve Dimensions

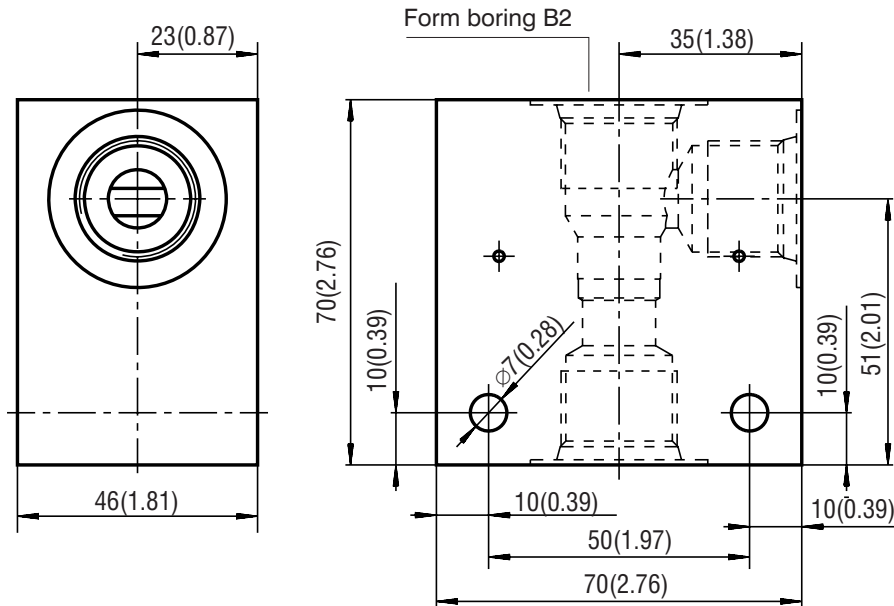
Dimensions in millimeters (inches)



- 1 Combined sealing:  
DRYZ000002Z20 13,47 x 15,87 x 3,1 (supplied with valve)
- 2 O-ring 19,4 x 2,1 (supplied with valve)

# Body with Valve

Dimensions in millimeters (inches)



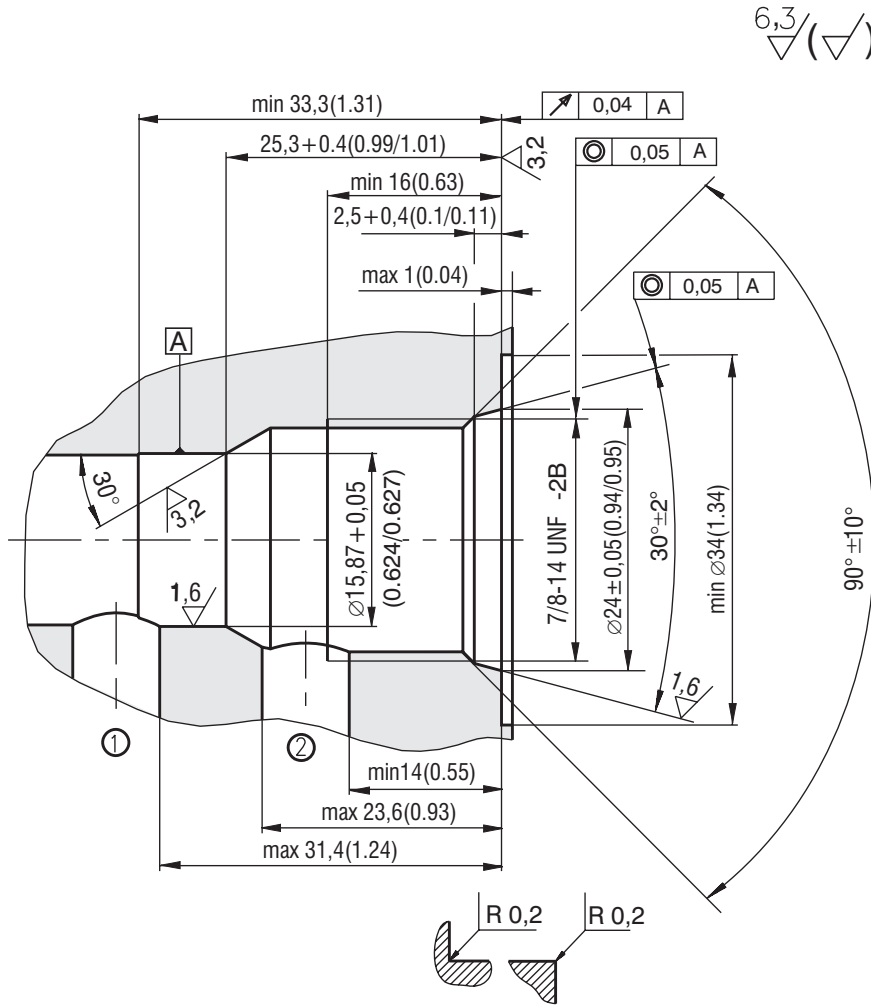
Body material	Connecting size	Type code	Operating pressures
Steel	G3/8	SB-B2-0103ST	420 bar (6091 PSI)
Steel	SAE 6	SB-B2-0102ST	420 bar (6091 PSI)
Aluminium	G3/8	SB-B2-0103AL	250 bar (3626 PSI)
Aluminium	SAE 6	SB-B2-0102AL	250 bar (3626 PSI)

**Note:**

- For detailed valve body ordering code refer to the data sheet HA 0018.

# Cavity

Dimensions in millimeters (inches)



## Spare Parts

<b>Seal kit</b>	<b>Order number - 18775600</b>
<b>Dualseal - PU</b>	20159100
DRYZ000002Z20 13,47 x 15,87 x 3,1 (1pc.)	
<b>O-ring - NBR</b>	20143900
19,4 x 2,1 (1pc.)	

## Caution!

- The packing foil is recyclable.
- The technical information regarding the product presented in this catalogue is for descriptive purposes only. It should not be construed in any case as a guaranteed representation of the product properties in the sense of the law.

ARGO-HYTOS s.r.o. CZ - 543 15 Vrchlaví  
 Tel.: +420-499-403111, Fax: +420-499-403421  
 E-mail: sales.cz@argo-hytos.com  
 www.argo-hytos.com

- Small dimensions
- Two models
- Poppet design
- Leak-free closure in one direction



VJO1-06/SG-1

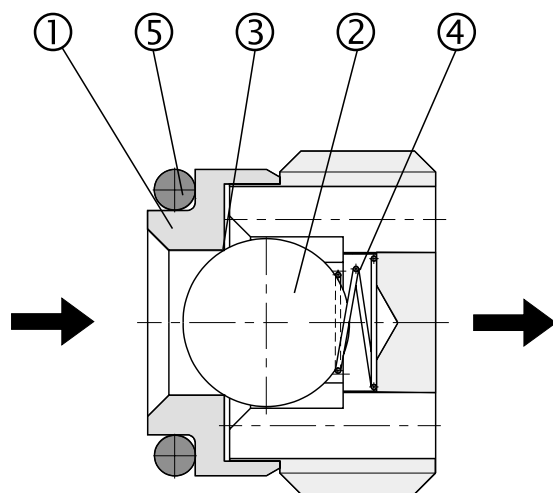


VJO1-06/SG-2

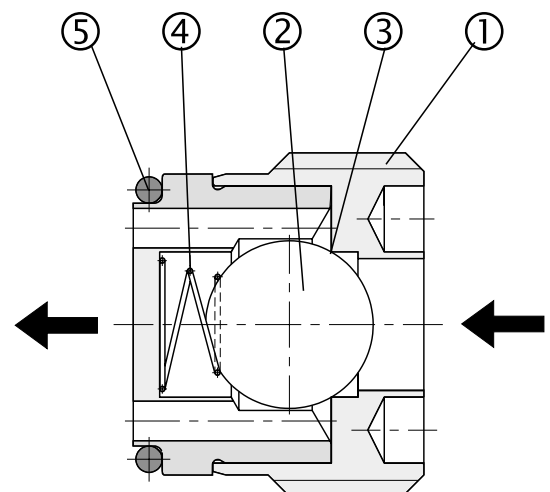
## Functional Description

The check valves VJO1 are developed to be built directly into the lines of the hydraulic circuits. Their features designate them for all applications, where tight closure in one direction and small dimensions are required. The valve is provided with two holes for a mounting mandrel. The shut-off edge (3) of the valve is engineered in the housing (1) and the shut-off function

is accomplished by the ball (2) which is pushed onto the seat by spring (4). Sealing of the valve body (1) in the mounting cavity is provided by the sealing ring (5). During the assembly, the valve has to be secured against loosening by means of a suitable glue or cement (Loctite, etc.).



Model 01



Model 02

## Ordering Code

VJO1-06/SG-

Check valve

Nominal size

Cartridge

S

Thread

pipe thread G1/4

G

omit  
V

**Seals**  
NBR  
FPM (Viton)

1  
2

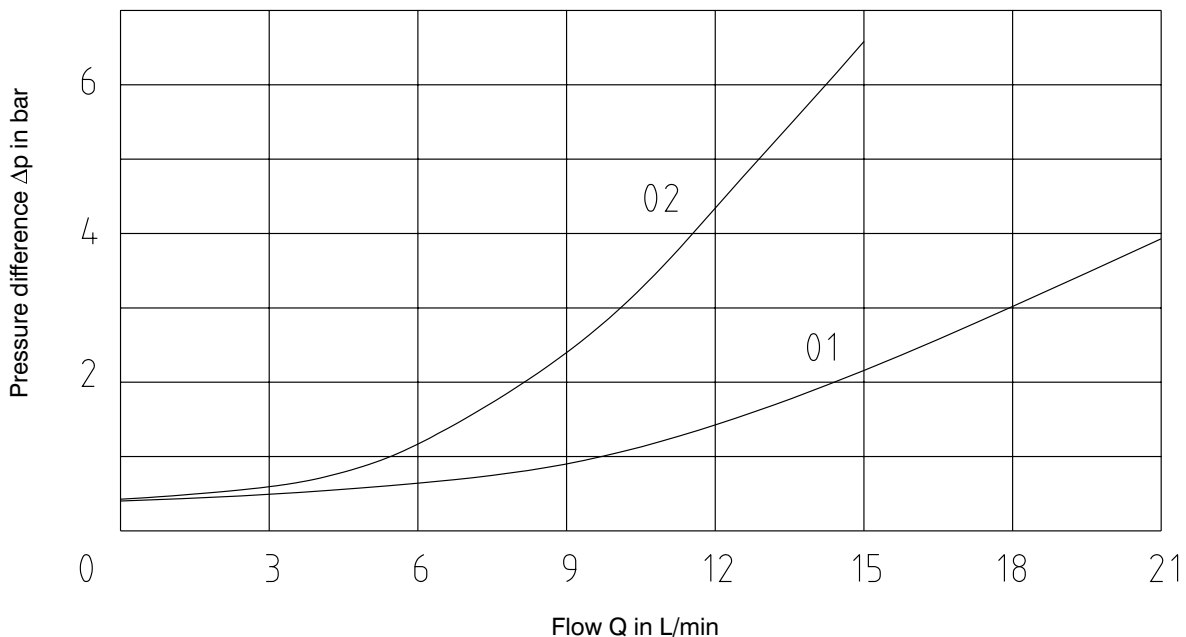
**Flow direction**  
model 01  
model 02

## Technical Data

Nominal size	mm	06
Maximum flow rate	L/min	20
Maximum operating pressure	bar	320
Cracking pressure	bar	0.25
Hydraulic fluid	Hydraulic fluids of power classes HM, HV to CETOP - RP 91H in viscosity classes ISO VG 32, 46 and 68	
Fluid temperature range for standard sealing (NBR)	°C	-30 ... +80
Fluid temperature range for Viton sealing (FPM)	°C	-20 ... +80
Viscosity range	mm <sup>2</sup> /s	20 ... 400
Maximum degree of fluid contamination	Class 21/18/15 according to ISO 4406 (1999).	
Weight	kg	0.007
Mounting position	optional	

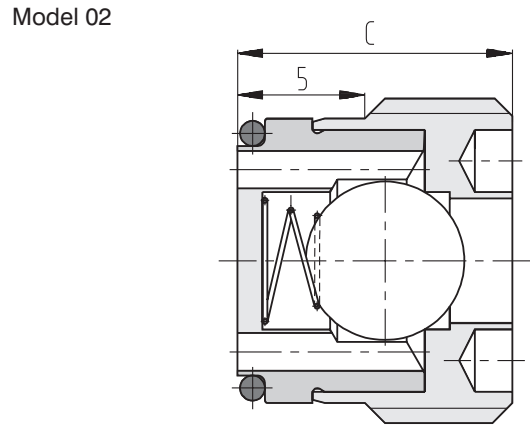
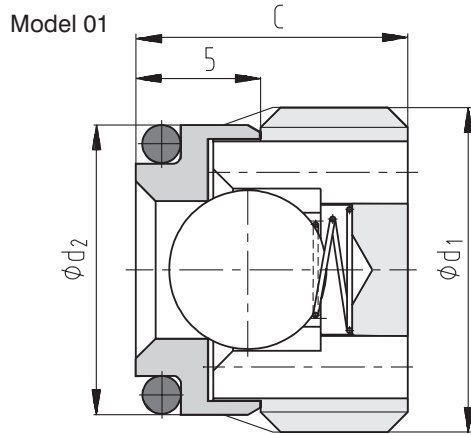
## Δp-Q Characteristics

Measured at  $v = 35 \text{ mm}^2/\text{s}$  and  $t = 40 \text{ °C}$



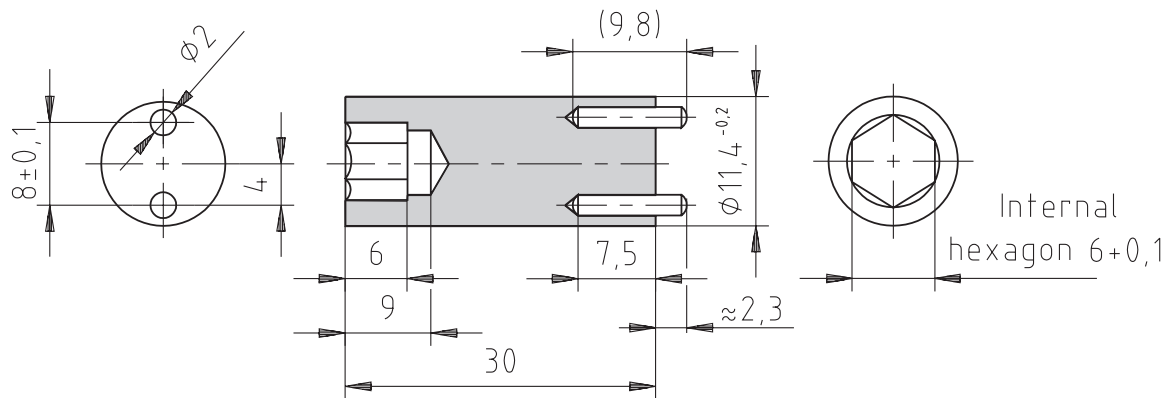
# Valve Dimensions

Dimensions in millimetres



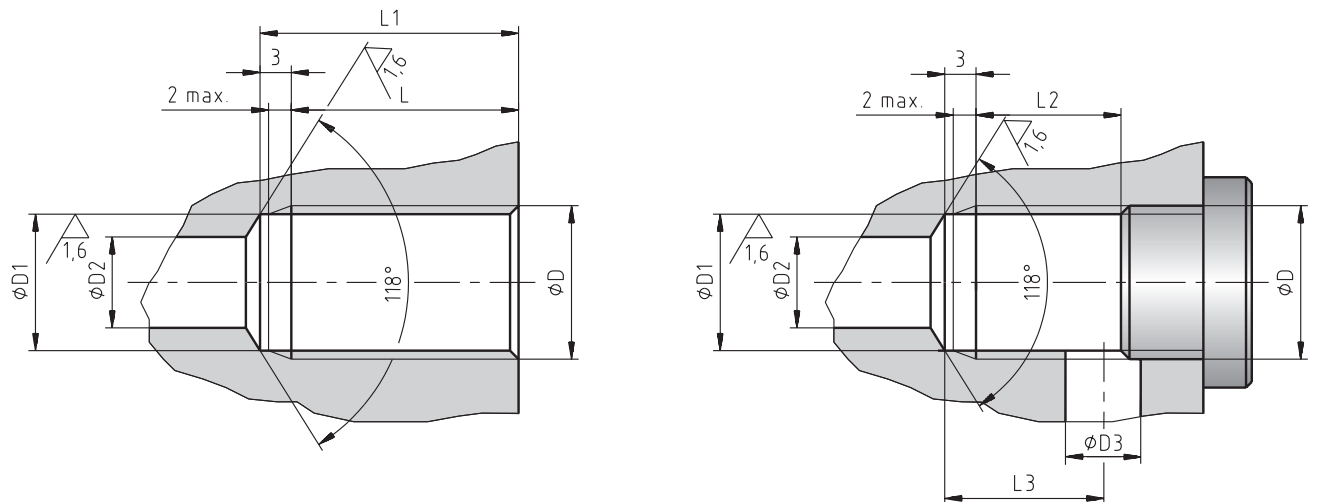
Type	ød1	ød2	C	O-Ring
VJO1-06/SG-1	G1/4	11.4 <sup>+0.05</sup>	11	8 x 1.5
VJO1-06/SG-2	G1/4	11.4 <sup>+0.05</sup>	11	9 x 1

## Mounting Mandrel



Type	Tightening torque	Ordering number
VJO1-06	15 Nm	530-0506

## Mounting Cavity



Type	øD	øD1	øD2	øD3	L	L1	L2	L3
VJO1-06	G1/4	11.5 <sup>+0.1</sup>	max. 7	6	20	23	14	14

## Spare Parts

### Seal kit

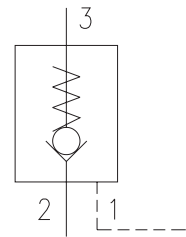
	Type	Dimension, number	Ordering number
Standard NBR90	VJO1-06/SG-1	O-ring 8 x 1.5 (1 pc.)	530-0516
	VJO1-06/SG-2	O-ring 9 x 1 (1 pc.)	530-0517
Viton	VJO1-06/SG-1	O-ring 8 x 1.5 (1 pc.)	530-0518
	VJO1-06/SG-2	O-ring 9 x 1 (1 pc.)	530-0519

## Caution!

- The packing foil is recyclable.
- The technical information regarding the product presented in this catalogue is for descriptive purposes only. It should not be construed in any case as a guaranteed representation of the product properties in the sense of the law.

ARGO-HYTOS a. s. CZ - 543 15 Vrchlábí  
 Tel.: +420-499-403111, Fax: +420-499-403421  
 E-mail: sales.cz@argo-hytos.com  
 www.argo-hytos.com

- Cartridge valve for manifold mounting
- Model with subplate - enables direct mounting on the hydraulic actuator by means of a hollow bolt
- The use of a hollow bolt with a built-in throttle valve possible



## Functional Description

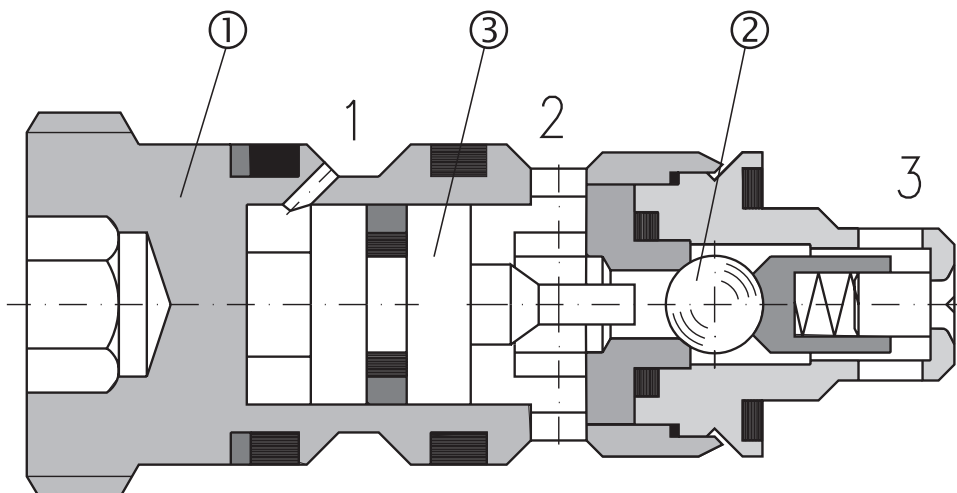
Model RJV1-05 are pilot operated check valves in cartridge design used to give leakfree closure of a hydraulic actuator port under pressure, even during long idle periods.

They basically consist of housing (1), check valve (2), and pilot piston (3). The cartridge is available already assembled into a subplate for direct mounting onto the actuator (page 4 of this data sheet).

When fluid flows from port 2 to 3, it opens the check valve automatically. When the pressure in port 2 drops (e.g. after shifting the directional valve into its middle

position), the spring pushes the ball (2) onto the seat and the circuit between the check valve and the actuator is closed. The control pressure (port 1) acting on the pilot piston (3) moves the ball (2) from the seat and makes the flow passage 3 @ 2 free. An additional port 4 is available for use in double acting applications using two pilot operated check valves-see typical circuits (page 2) and drawings (page 4).

The valve body and the hollow bolt (model with subplate) are blackened, whereas the surface of the subplate is phosphate coated.



# Ordering Code

**RJV1-05-**   /

**Pilot operated cartridge check valve**

**Nominal size**

**Model**  
 With pilot piston seal without designation  
 Without pilot piston seal **O**

**Model**  
 Cartridge valve without designation  
 With subplate (connecting threads 3xM12x1,5 und 1xM18x1,5) **M**

**Seals**  
 without designation  
**V**  
 NBR  
 Viton

**Hollow bolt**  
 without designation without throttle valve  
 with throttle valve VSV1-06  
**S**  
 (fill in just with the model with subplate)

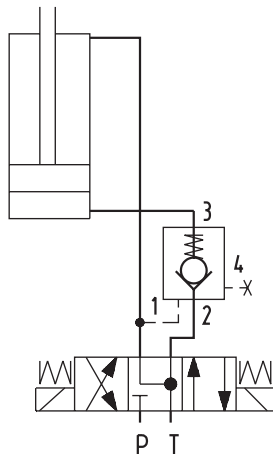
**Threads of hollow bolt**  
 M 18x1,5  
 M 22x1,5  
 G1/2  
 G3/8  
**B**  
**C**  
**D**  
**E**  
 (fill in just with the model with subplate)

## Technical Data

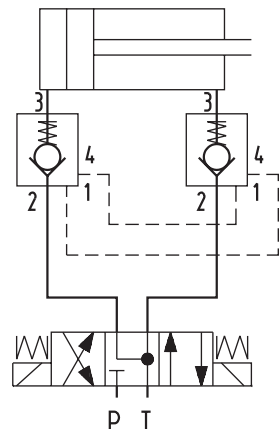
Nominal size	mm	05
Maximum flow	L/min	20
Maximum operating pressure	bar	250
Cracking pressure	bar	see $\Delta p$ -Q characteristics
Hydraulic fluid	Hydraulic oils of power classes HM, HV to CETOP RP 91H viscosity classes ISO VG 32, 46 and 68	
Fluid temperature range for standard sealing (NBR)	°C	-30 ... +80
Fluid temperature range for Viton seals (FPM)	°C	-20 ... +80
Viscosity range	mm <sup>2</sup> /s	20 ... 400
Maximum degree of fluid contamination	Class 21/18/15 to ISO 4406 (1999)	
Area ration (pilot piston / seat)	5.76	
Weight of the cartridge valve	kg	0.08
Mounting position	optional	

## Hydraulic circuits

Use of the pilot operated check valve for one direction only (lowering). Port 4 is plugged



Hydraulic circuit with two pilot operated check valves enabling movement in both directions. The use of a directional valve with Y-functional symbol ensures perfect seating of the ball, thus ensuring tight closure of the actuator.

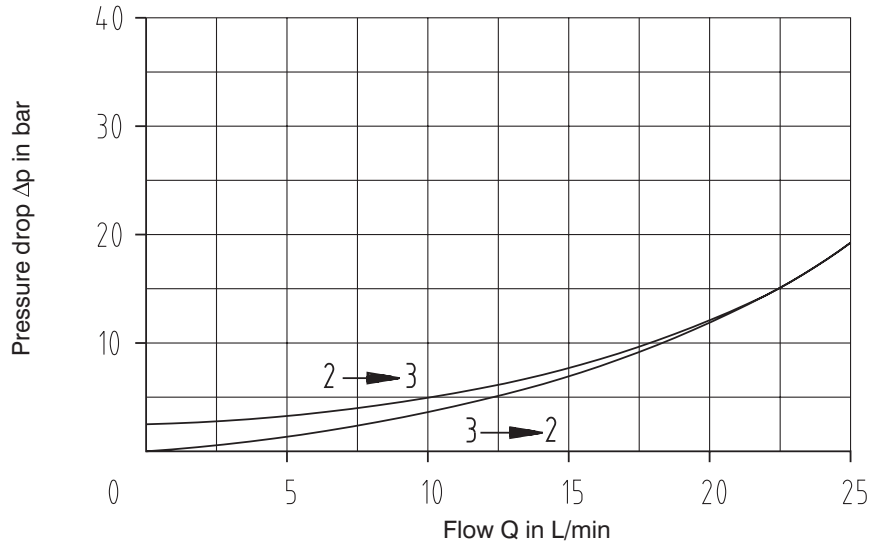




# Δp-Q Characteristics

Measured at  $v = 35 \text{ mm}^2/\text{s}$  and  $t = 40 \text{ }^\circ\text{C}$

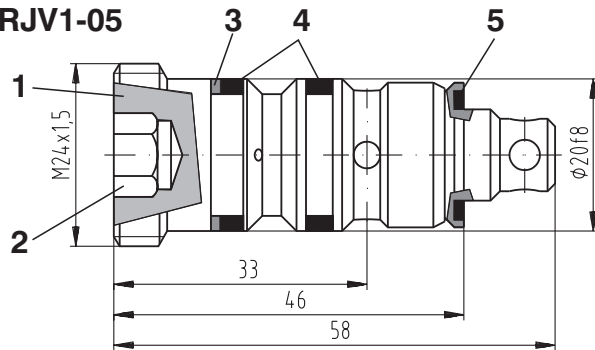
## Pressure drop



## Valve Dimensions

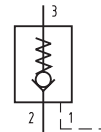
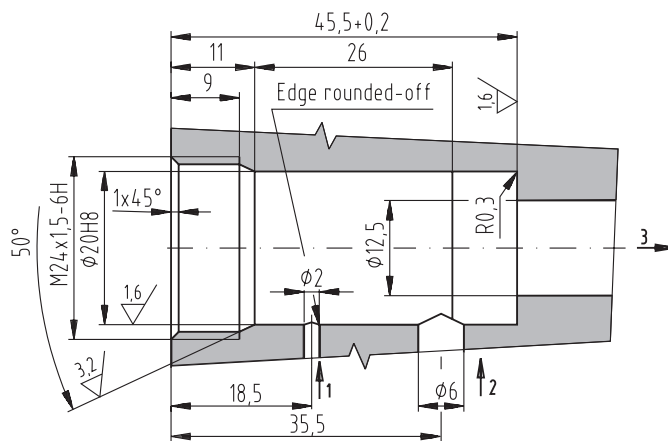
Dimensions in millimeters

### Cartridge valve RJV1-05



- 1 Type code stamped on the face (RJV1-05)
- 2 Inside hex. 10 mm (Tightening torque is 10+2 Nm)
- 3 OPKR - BBP80B 113-N9 SHAMBAN (14.66 x 19.02 x 1.14)
- 4 O-ring 15.08 x 2.62
- 5 O-ring 12.42 x 1.78

### Valve Cavity



## Spare Parts

### Seal kit

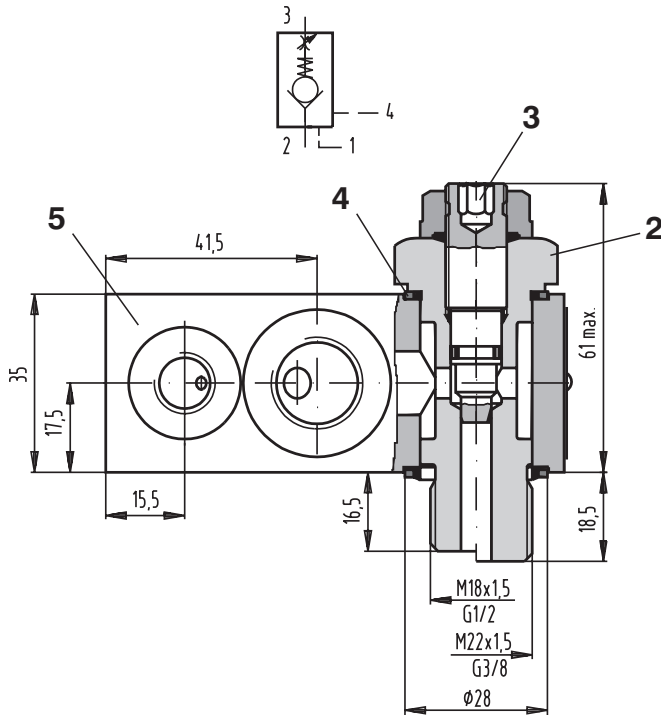
Type	Dimensions, quantity		Ordering number
	O-ring	Back-up ring	
Standard NBR70	9 x 1.8 (1 pc.)	14.66 x 19.02 x 1.14 (1 pc.)	535-0125
	6.07 x 1.78 (1 pc.)	-	
	12.42 x 1.78 (1 pc.)	-	
	15.08 x 2.62 (2 pcs.)	-	
Viton	9.25 x 1.78 (1 pc.)	14.66 x 19.02 x 1.14 (1 pc.)	535-0126
	6.07 x 1.78 (1 pc.)	-	
	12.42 x 1.78 (1 pc.)	-	
	15.08 x 2.62 (2 pcs.)	-	

# Valve Dimensions

Dimensions in millimeters

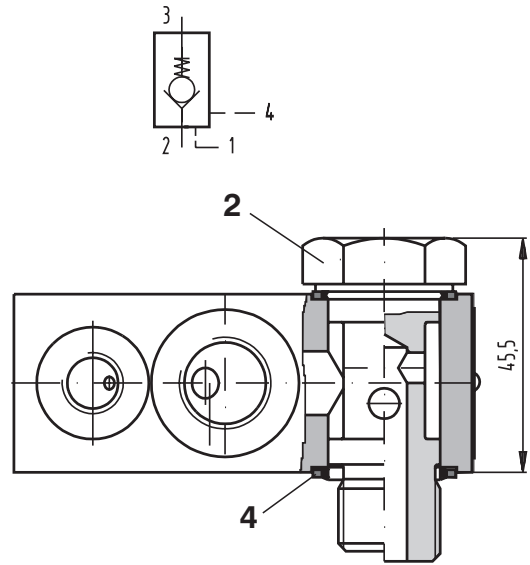
## Model with subplate RJV1-05-M/BS, RJV1-05-M/CS

(hollow bolt with throttle valve VSV-06)



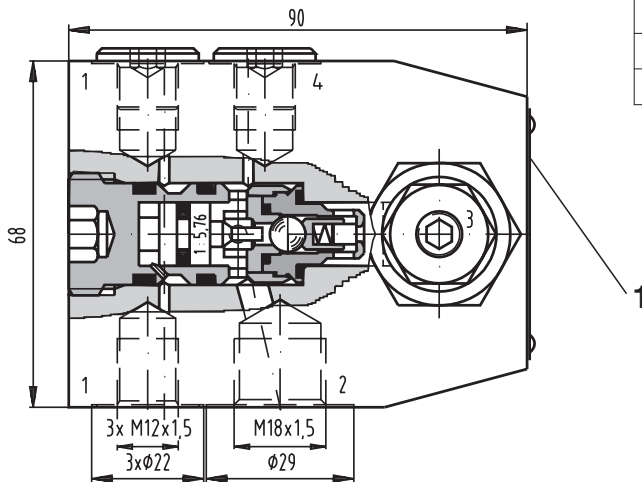
## Model with subplate RJV1-05-M/B, RJV1-05-M/C

(hollow bolt without throttle valve)



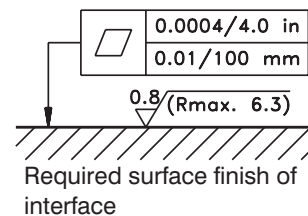
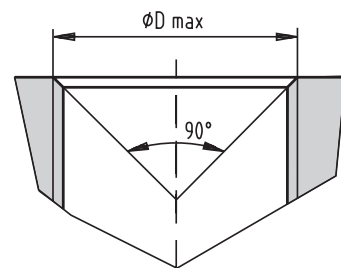
D max is the diameter of the chamfering for the inner connecting thread (hollow bolt)

Connecting thread	∅ D max	Tightening torque (Nm)
M18 x 1.5	18 <sup>+0.2</sup>	30+3
M22 x 1.5	22 <sup>+0.2</sup>	70+5
G 1/2	21 <sup>+0.2</sup>	70+5
G 3/8	16.6 <sup>+0.2</sup>	25+3



- 1 Type plate
- 2 Hollow bolt (hex. 27 mm)
- 3 Throttle valve VSV-06 (inside hex. 6 mm)
- 4 Seal D22.5 x 28 x 1.5 - NSA
- 5 For optimum positioning the subplate can be turned by 180°C (around the check valve axis)

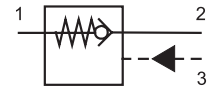
M 2:1



## Caution!

- The packing foil is recyclable.
- The technical information regarding the product presented in this catalogue is for descriptive purposes only. It should not be construed in any case as a guaranteed representation of the product properties in the sense of the law.

ARGO-HYTOS a. s. CZ - 543 15 Vrchlabí  
 Tel.: +420-499-403111, Fax: +420-499-403421  
 E-mail: sales.cz@argo-hytos.com  
 www.argo-hytos.com



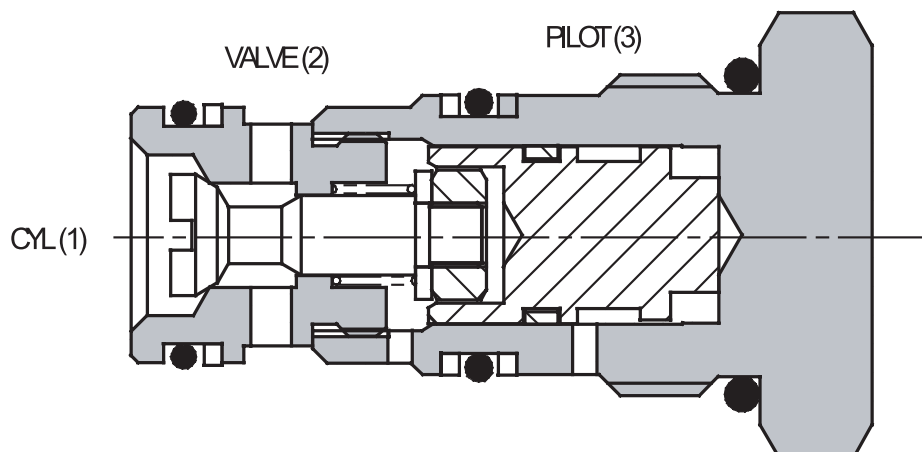
- Load-holding without leakage.
- Low pressure drop.
- Optional pilot seal.
- The valve should be mounted as close as possible to the actuator.



## Functional Description

Pressure on the valve port causes the poppet to lift against the spring force, allowing the flow to the cylinder port. Reverse flow is prevented by the poppet reseating. Pressure applied to the pilot port will overcome the cylinder port pressure and lift the poppet from its seat, allowing flow from the cylinder

to valve port. Hardened and ground poppet gives excellent flow capability for valve size, positive sealing and long working life. Cartridge construction allows installation in actuators, manifold blocks and Hydraulic Integrated Circuits.



## Ordering code

SC5H-Q3/I

Pilot operated check valve

NBR

No designation

Pilot ratio

3:1 3

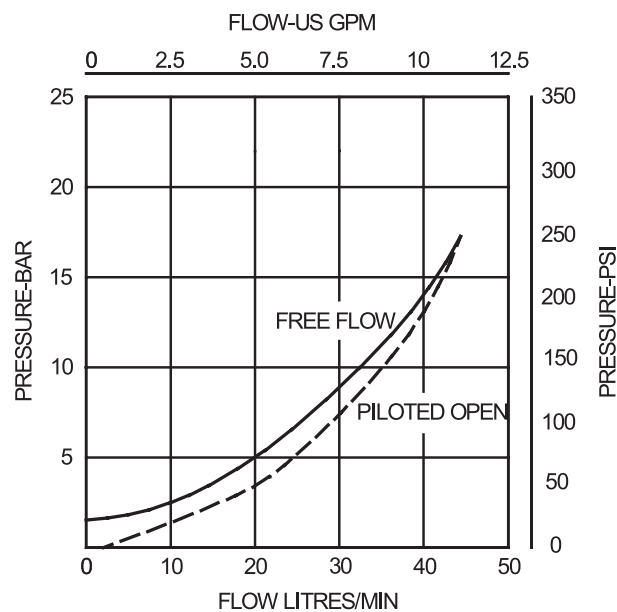
## Technical Data

Figures based on: Oil Temp = 40 °C / Viscosity = 40 mm<sup>2</sup>/s

Cavity		M20 x 1,5
Maximum flow	l/min	30
Max. pressure	bar	350
Pilot ratio		3 : 1
Pressure drop	bar	see $\Delta p - Q$ characteristics
Hydraulic fluid		Hydraulic oil (HM, HV) according to DIN 51254
Fluid temperature range	°C	- 20 °C to + 80 °C
Ambient temperature	°C	- 20° C to + 80 °C
Viscosity	mm <sup>2</sup> /s	10 to 500
Maximum degree of fluid contamination		Class 21/18/15 according to ISO 4406 (1999)
Weight	kg	0,08
Maximum valve tightening torque in valve body or in control block		45 +2 Nm
Mounting position		any

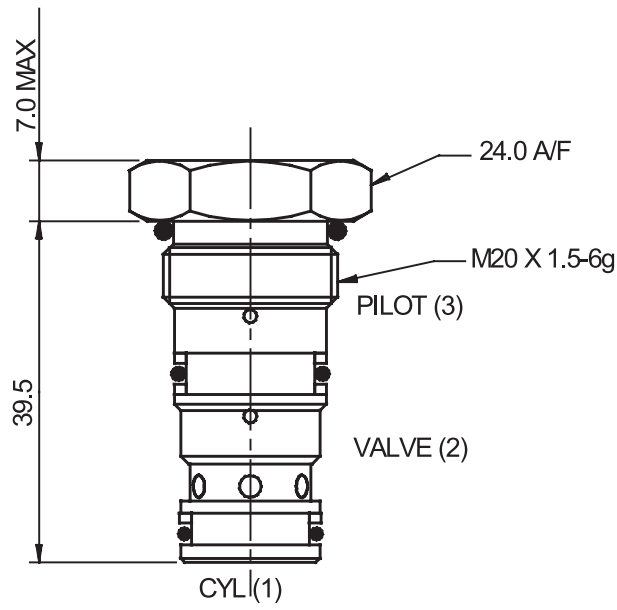
## $\Delta p$ -Q Curves

characteristics determined at  $v = 35 \text{ mm}^2/\text{s}$  and  $t = 40 \text{ °C}$



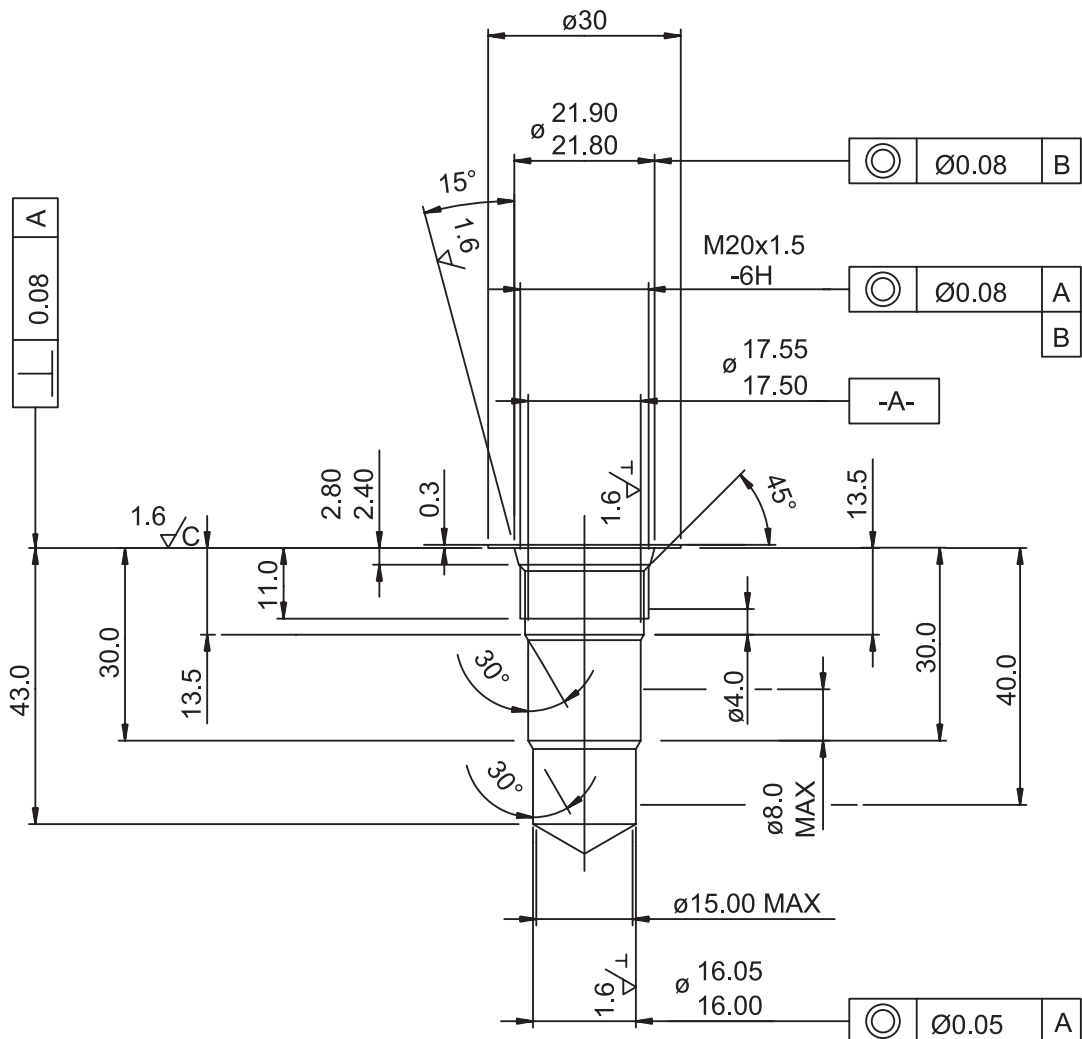
**Dimensions**

Measurements in mm

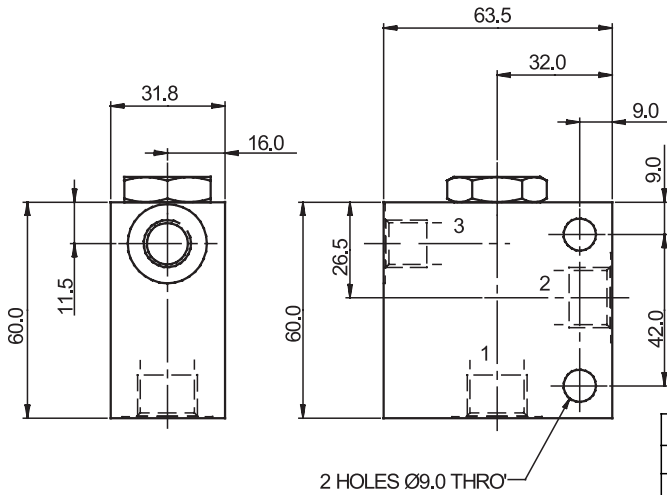


**Cavity**

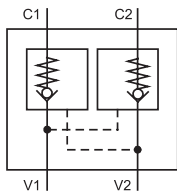
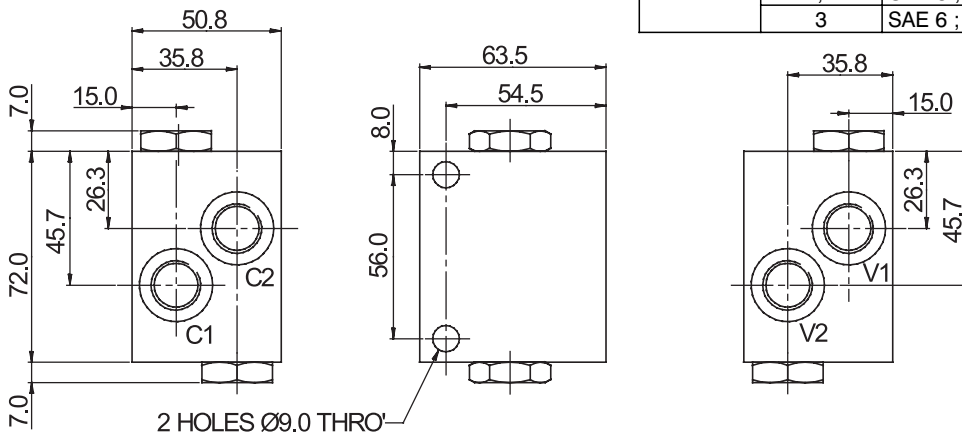
Measurements in mm



# Valve Bodies



Body without valve			
Material	Ports	Port size	Type code
Aluminium	1 ; 2	G3/8	SB-Q3-0103AL
	3	G1/4	
	1 ; 2	SAE 8 ; 3/4-16	SB-Q3-0104AL
	3	SAE 6 ; 9/6-18	
Steel	1 ; 2	G3/8	SB-Q3-0103ST
	3	G1/4	
	1 ; 2	SAE 8 ; 3/4-16	SB-Q3-0104ST
	3	SAE 6 ; 9/6-18	



Dual body without valve			
Material	Ports	Port size	Type code
Aluminium	C1; C2; V1; V2	G3/8	SB-Q3-0203AL
	C1; C2; V1; V2	SAE 8 ; 3/4-16	SB-Q3-0204AL
Steel	C1; C2; V1; V2	G3/8	SB-Q3-0203ST
	C1; C2; V1; V2	SAE 8 ; 3/4-16	SB-Q3-0204ST

The use of aluminium bodies is limited to a maximum operating pressure of 210 bar.

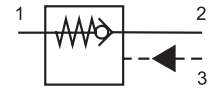
## Spare Parts

Seal kits on request.

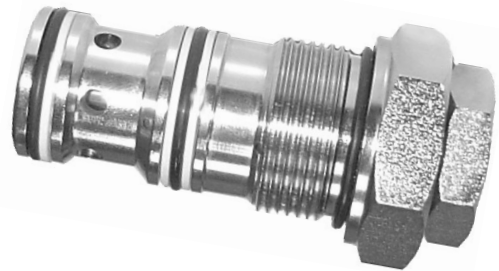
## Note

- The packing foil is recyclable.
- The technical information regarding the product presented in this catalogue is for descriptive purposes only. It should not be construed in any case as a guaranteed representation of the product properties in the sense of the law.

ARGO-HYTOS a. s. · CZ - 543 15 Vrchlábí  
 tel.: 499 403111 · fax: 499 403421  
 e-mail: sales.cz@argo-hytos.com  
 www.argo-hytos.com



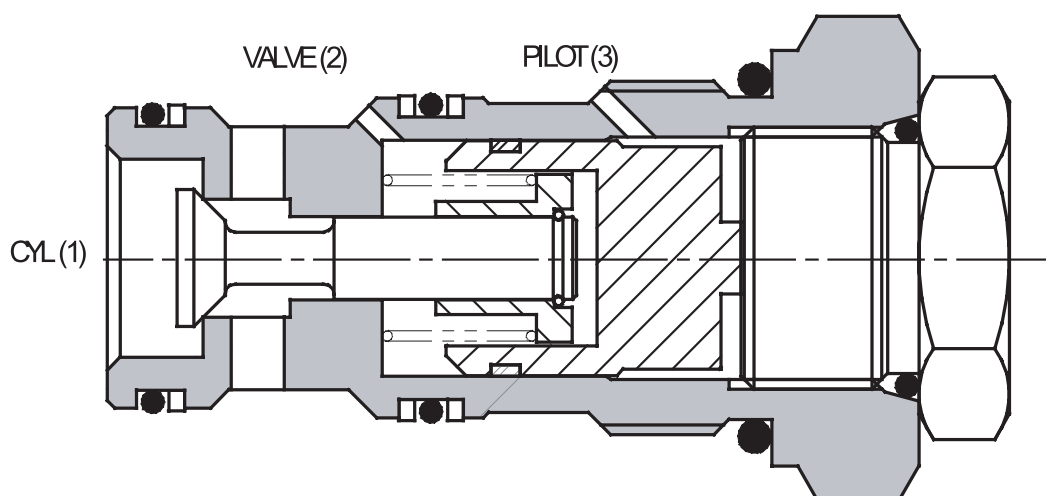
- Load-holding without leakage.
- Low pressure drop.
- Optional pilot seal.
- The valve should be mounted as close as possible to the actuator.



## Functional Description

Pressure on the valve port causes the poppet to lift against the spring force, allowing the flow to the cylinder port. Reverse flow is prevented by the poppet reseating. Pressure applied to the pilot port will

overcome the cylinder port pressure and lift the poppet from its seat, allowing return flow. Hardened and ground poppet gives excellent flow capability, positive sealing and long working life.



## Ordering code

SC5H-R3/I

Pilot operated check valve

NBR

No designation

Pilot ratio

4:1 4

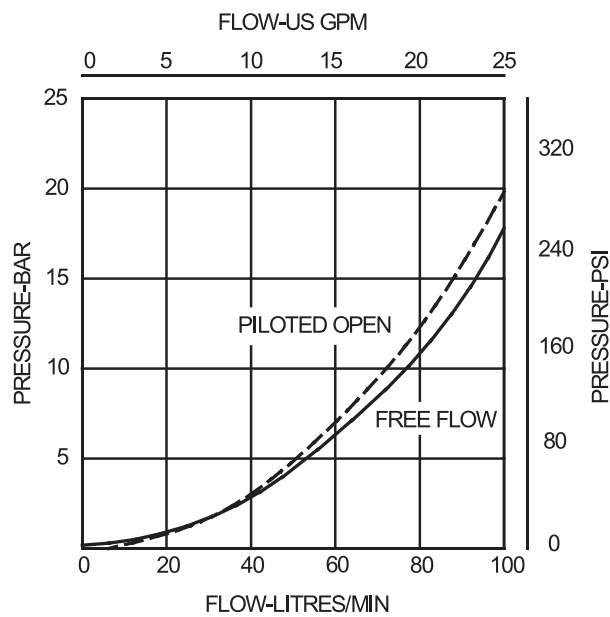
## Technical Data

Figures based on: Oil Temp = 40 °C / Viscosity = 40 mm<sup>2</sup>/s

Cavity		M27 x 1,5
Maximum flow	l/min	90
Max. pressure	bar	350
Pilot ratio		4 : 1
Pressure drop	bar	see $\Delta p - Q$ characteristics
Hydraulic fluid		Hydraulic oil (HM, HV) according to DIN 51254
Fluid temperature range	°C	- 20 °C to + 80 °C
Ambient temperature	°C	- 20° C to + 80 °C
Viscosity	mm <sup>2</sup> /s	10 to 500
Maximum degree of fluid contamination		Class 21/18/15 according to ISO 4406 (1999)
Weight	kg	0,27
Maximum valve tightening torque in valve body or in control block		60 <sup>+2</sup> Nm
Mounting position		any

## $\Delta p$ -Q Curves

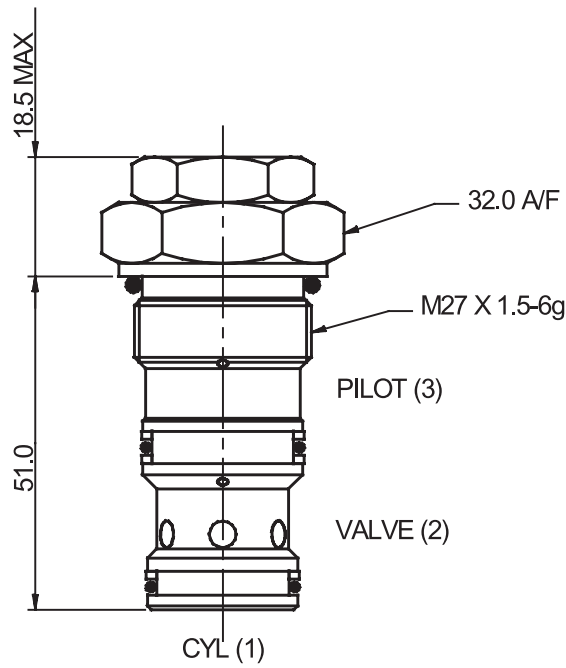
characteristics determined at  $v = 35 \text{ mm}^2/\text{s}$  and  $t = 40 \text{ °C}$





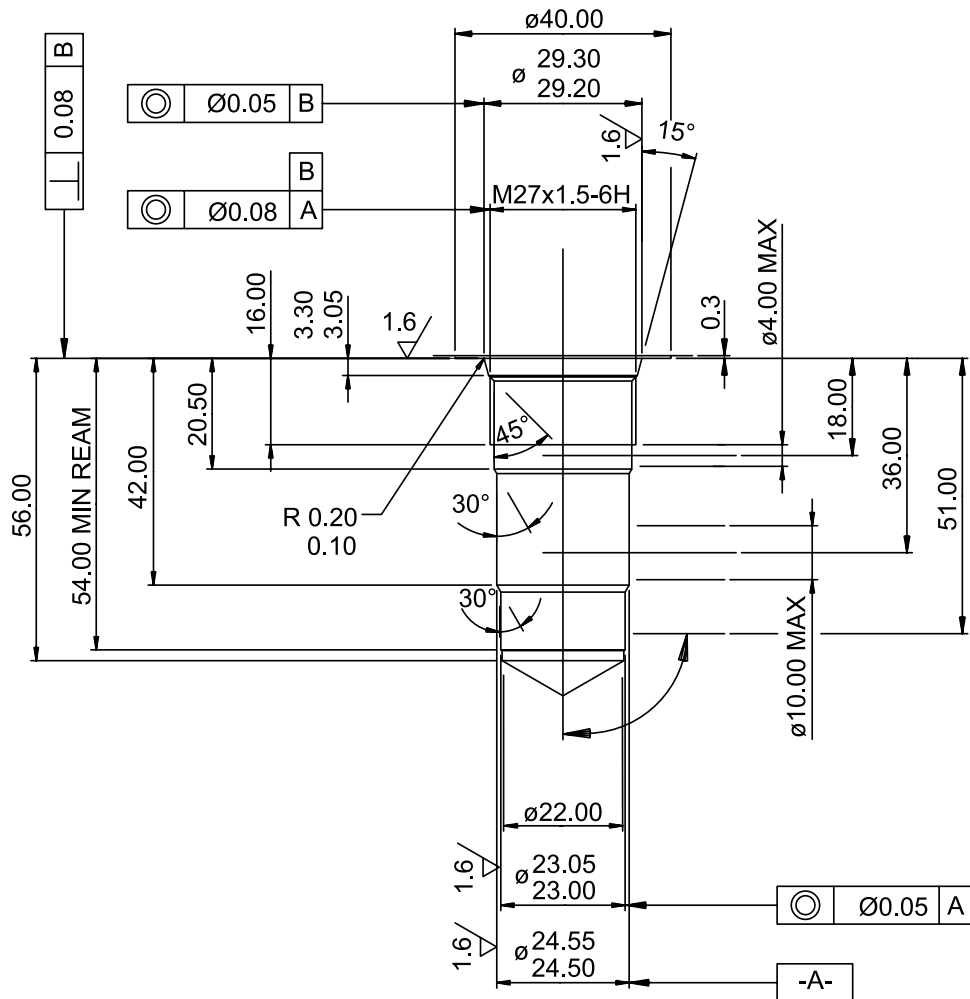
**Dimensions**

Measurements in mm

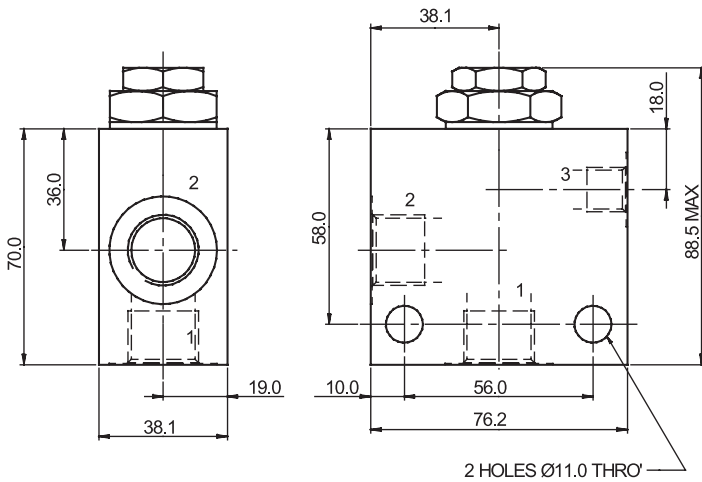


**Cavity**

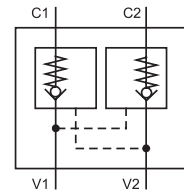
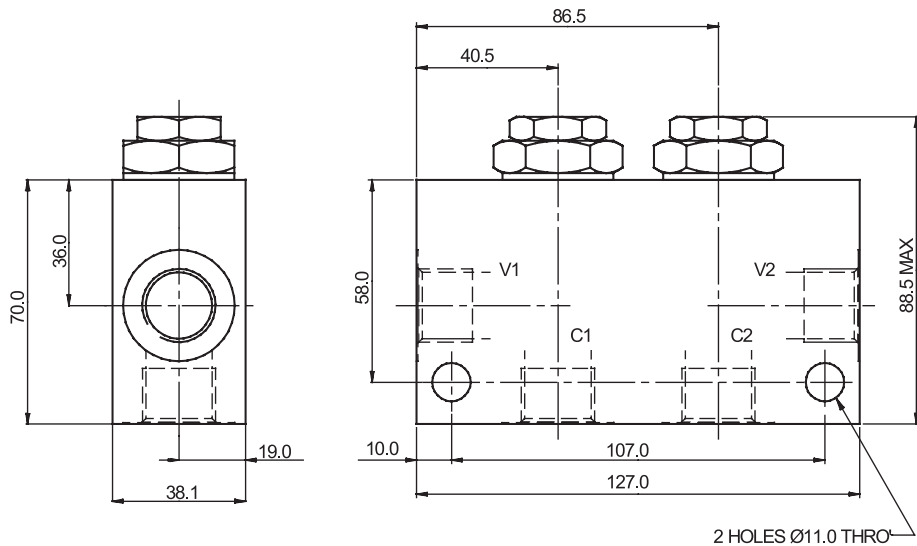
Measurements in mm



# Valve Bodies



Body without valve			
Material	Ports	Port size	Type code
Aluminium	1 ; 2	G1/2	SB-R3-0105AL
	3	G1/4	
	1 ; 2	SAE 10 ; 7/8-14	SB-R3-0106AL
Steel	3	SAE 6 ; 9/6-18	SB-R3-0105ST
	1 ; 2	G1/2	SB-R3-0106ST
	3	G1/4	
	1 ; 2	SAE 10 ; 7/8-14	
	3	SAE 6 ; 9/6-18	



Dual body without valve			
Material	Ports	Port size	Type code
Aluminium	C1; C2; V1; V2	G1/2	SB-R3-0205AL
	C1; C2; V1; V2	SAE 10 ; 7/8-14	SB-R3-0206AL
Steel	C1; C2; V1; V2	G1/2	SB-R3-0205ST
	C1; C2; V1; V2	SAE 10 ; 7/8-14	SB-R3-0206ST

The use of aluminium bodies is limited to a maximum operating pressure of 210 bar.

## Spare Parts

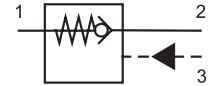
Seal kits on request.

## Note

- The packing foil is recyclable.
- The technical information regarding the product presented in this catalogue is for descriptive purposes only. It should not be construed in any case as a guaranteed representation of the product properties in the sense of the law.

ARGO-HYTOS a. s. · CZ - 543 15 Vrchlabí  
 tel.: 499 403111 · fax: 499 403421  
 e-mail: sales.cz@argo-hytos.com  
 www.argo-hytos.com

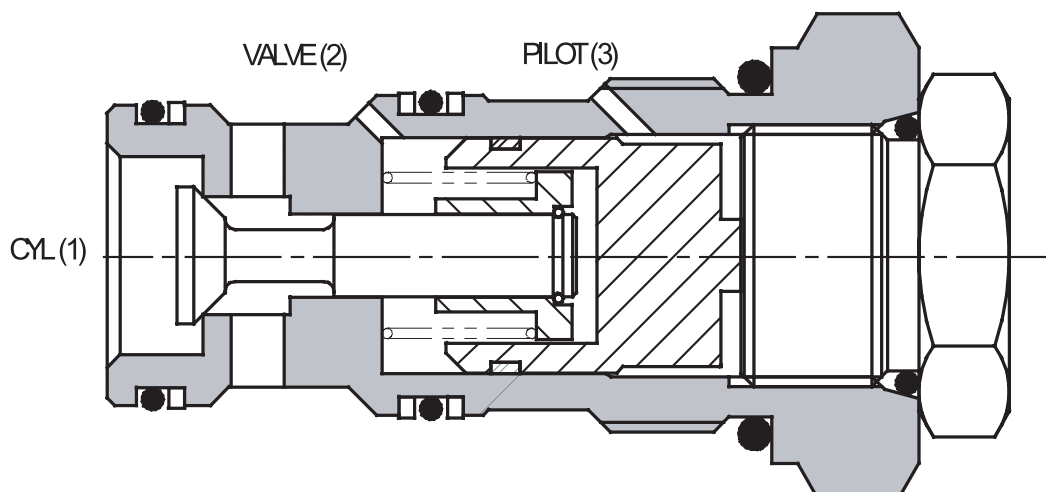
- Load-holding without leakage.
- Low pressure drop.
- Decompression stage.
- Optional pilot seal.
- The valve should be mounted as close as possible to the actuator.



## Functional Description

The ball and poppet are held onto their respective seats by spring force, ensuring positive sealing as long as the pressure on port 1 is equal to or greater than the pressure on port 2. As soon as the pressure on port 2 exceeds the pressure on port 1 plus the spring force, the valve opens from 2 to 1. In order to pass flow in the reverse direction, pilot pressure must be applied to port 3. Once this reaches the required level, the pilot piston acting on the pin in the centre of the poppet lifts the ball off its seat, enabling the fluid to decompress and

thus reducing the load pressure acting on port 1. As the load pressure decreases, the pilot pressure required to open the main stage also decreases and when the correct pilot pressure is reached, the main stage poppet is lifted off its seat by the advancing pilot piston, allowing full flow from 1 to 2. When calculating the pilot pressure, it must be remembered that any back pressure on port 2 will cause this to increase on a 1:1 ratio. Decompression stage reduces hydraulic noise on rapid loss of pressure. Precision ground ball and hardened & ground poppet ensure positive sealing and long, trouble-free working life.



## Ordering code

SCD5H-R3/I

Pilot operated check valve  
with decompression

NBR

No designation

Pilot ratio  
Decompression 25:1  
Full flow 3:1

3

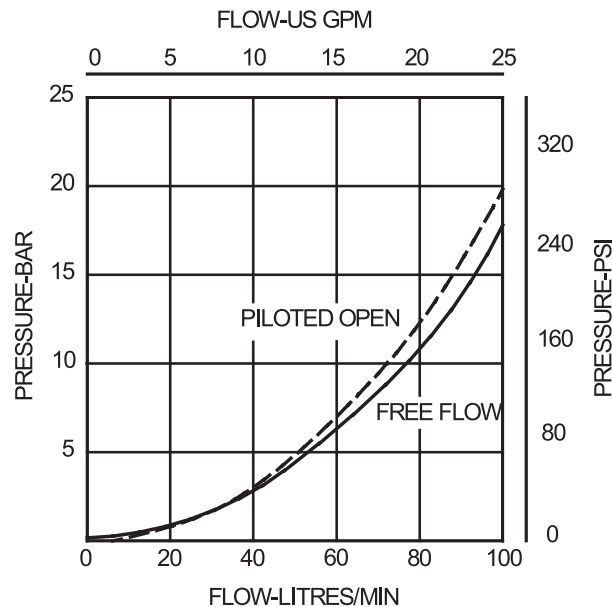
## Technical Data

Figures based on: Oil Temp = 40 °C / Viscosity = 40 mm<sup>2</sup>/s

Cavity		M27 x 1,5
Maximum flow	l/min	90
Max pressure	bar	350
Pilot ratio decompression		25 : 1
Pilot ratio full flow		3 : 1
Pressure drops	bar	see $\Delta p - Q$ characteristics
Hydraulic fluid		Hydraulic oil (HM, HV) according to DIN 51254
Fluid temperature range	°C	- 20 °C to + 80 °C
Ambient temperature	°C	- 20 °C to + 80 °C
Viscosity	mm <sup>2</sup> /s	10 to 500
Maximum degree of fluid contamination		according to ISO 4406 (1999), Class 21/18/15
Weight	kg	0,24
Maximum valve tightening torque in valve body or in control block		60 <sup>+2</sup> Nm
Mounting position		any

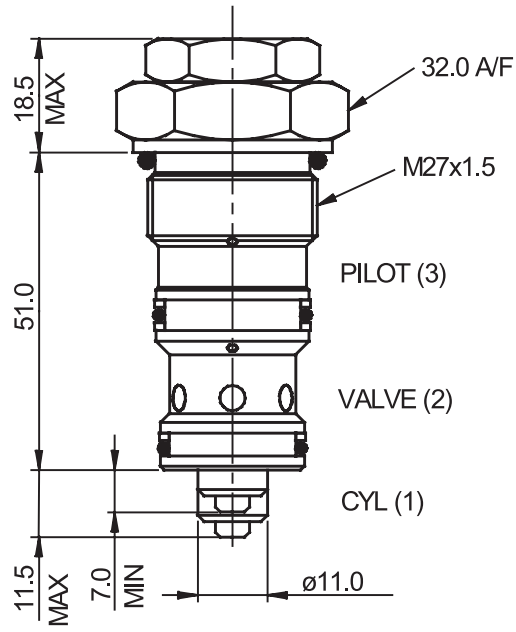
## $\Delta p$ -Q Curves

characteristics determined at  $v = 35 \text{ mm}^2/\text{s}$  and  $t = 40 \text{ °C}$



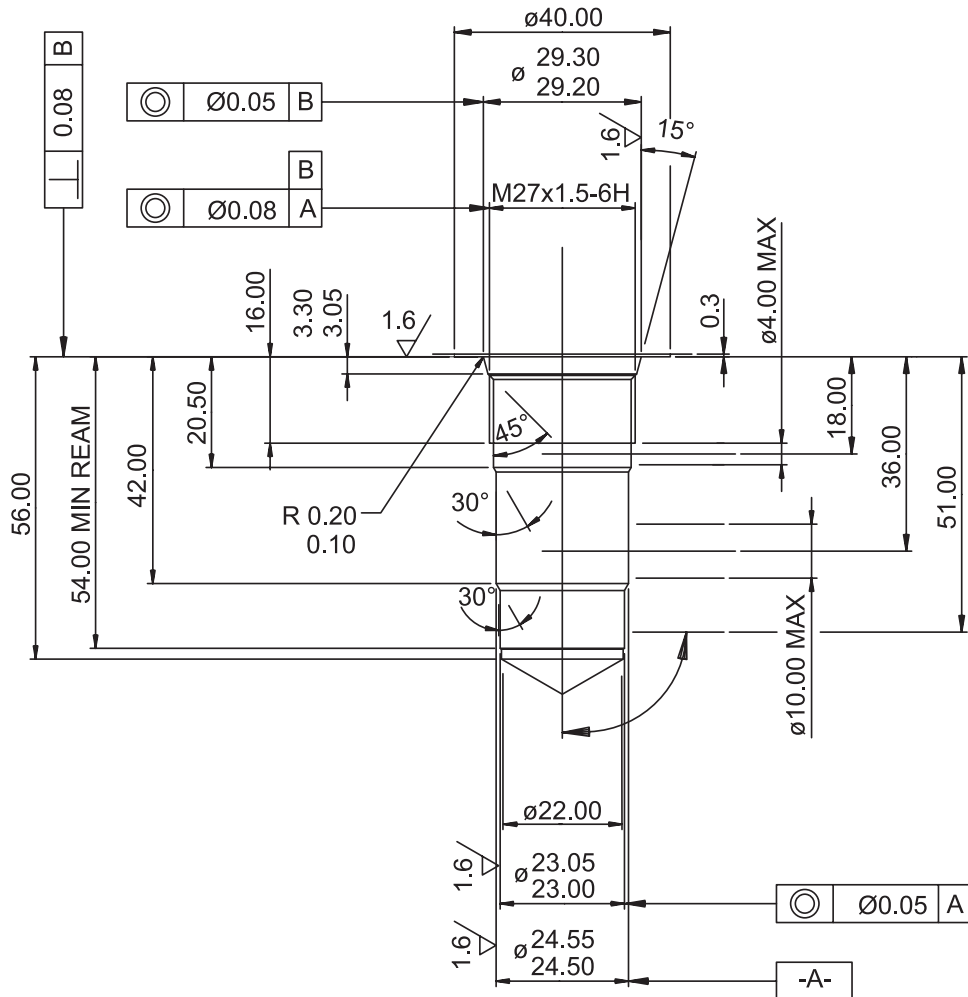
**Dimensions**

Measurements in mm

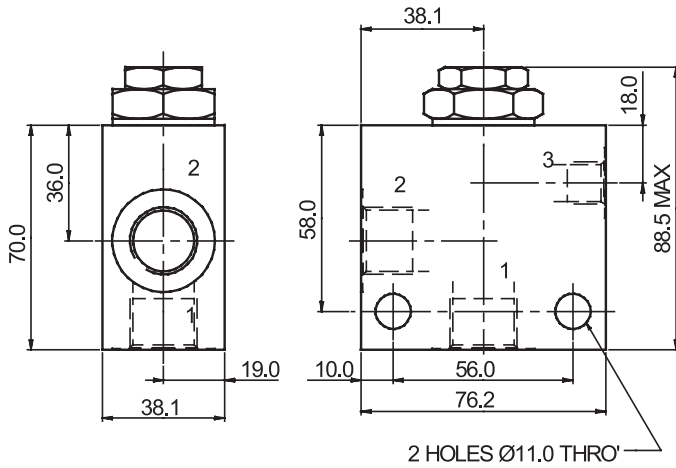


**Cavity**

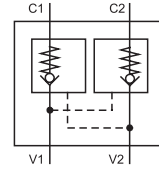
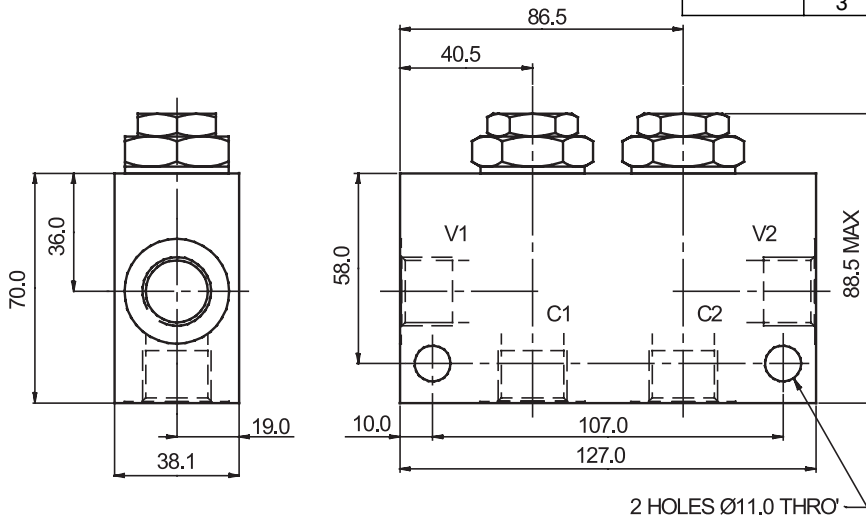
Measurements in mm



# Valve Bodies



Body without valve			
Material	Ports	Port size	Type code
Aluminium	1 ; 2	G1/2	SB-R3-0105AL
	3	G1/4	
	1 ; 2	SAE 10 ; 7/8-14	SB-R3-0106AL
	3	SAE 6 ; 9/6-18	
Steel	1 ; 2	G1/2	SB-R3-0105ST
	3	G1/4	
	1 ; 2	SAE 10 ; 7/8-14	SB-R3-0106ST
	3	SAE 6 ; 9/6-18	



Dual body without valve			
Material	Ports	Port size	Type code
Aluminium	C1; C2; V1; V2	G1/2	SB-R3-0205AL
	C1; C2; V1; V2	SAE 10 ; 7/8-14	SB-R3-0206AL
Steel	C1; C2; V1; V2	G1/2	SB-R3-0205ST
	C1; C2; V1; V2	SAE 10 ; 7/8-14	SB-R3-0206ST

The use of aluminium bodies is limited to a maximum operating pressure of 210 bar.

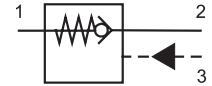
## Spare Parts

Seal kits on request.

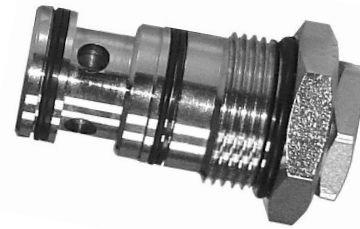
## Note

- The packing foil is recyclable.
- The technical information regarding the product presented in this catalogue is for descriptive purposes only. It should not be construed in any case as a guaranteed representation of the product properties in the sense of the law.

ARGO-HYTOS a. s. · CZ - 543 15 Vrchlabí  
 tel.: 499 403111 · fax: 499 403421  
 e-mail: sales.cz@argo-hytos.com  
 www.argo-hytos.com



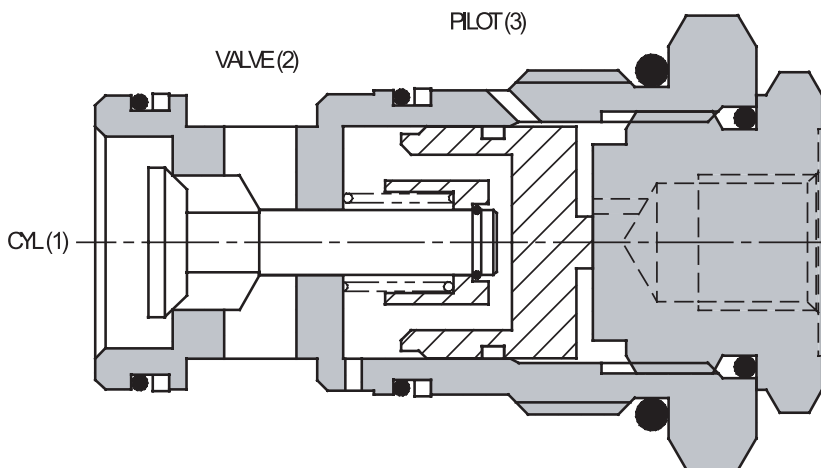
- Load-holding without leakage.
- Low pressure drop.
- Optional pilot seal.
- The valve should be mounted as close as possible to the actuator.



## Functional Description

Pressure on the valve port causes the poppet to lift against the spring force, allowing flow to the cylinder port. Reverse flow is prevented by the check re-seating. Pressure applied to the pilot port will overcome the cylinder port pressure and lift the poppet from its seat, allowing return flow. Hardened and

ground poppet gives excellent flow capability, positive sealing and long working life. The larger seat diameter restricts the pilot ratio to 3:1. Cartridge construction allows installation in actuators, manifold blocks and Hydraulic Integrated Circuits. Versions with sealed pilot pistons are available.



Optional External Pilot Port  
( the option must be consulted with supplier )

## Ordering code

SC5H-S3/I

Pilot operated check valve

NBR

No designation

Pilot ratio

3:1 3

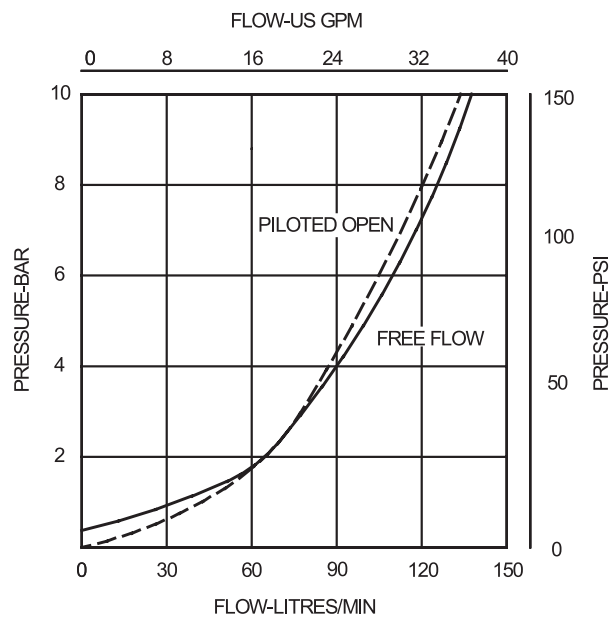
## Technical Data

Figures based on: Oil Temp = 40 °C / Viscosity = 40 mm<sup>2</sup>/s

Cavity		1-5/16-12 UN-2A
Maximum flow	l/min	120
Max. pressure	bar	350
Pilot ratio		3 : 1
Pressure drop	bar	see $\Delta p - Q$ characteristics
Hydraulic fluid		Hydraulic oil (HM, HV) according to DIN 51254
Fluid temperature range	°C	- 20 °C to + 80 °C
Ambient temperature	°C	- 20° C to + 80 °C
Viscosity	mm <sup>2</sup> /s	10 to 500
Maximum degree of fluid contamination		Class 21/18/15 according to ISO 4406 (1999)
Weight	kg	0,28
Maximum valve tightening torque in valve body or in control block		100 <sup>+2</sup> Nm
Mounting position		any

## $\Delta p$ -Q Curves

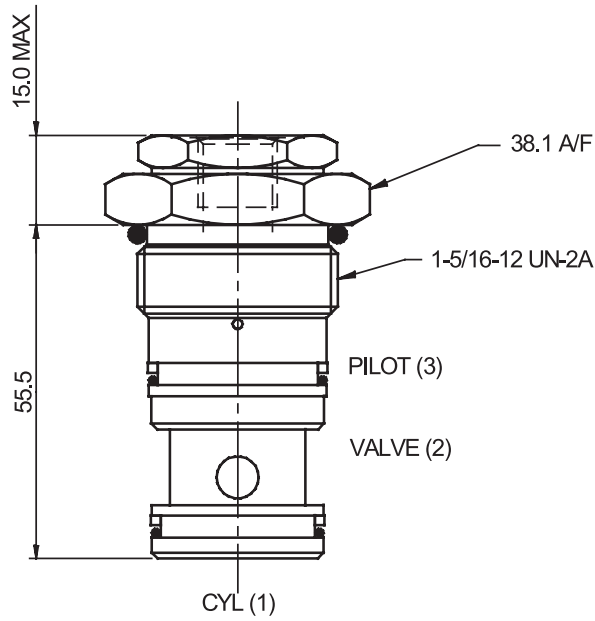
characteristics determined at  $v = 35 \text{ mm}^2/\text{s}$  and  $t = 40 \text{ °C}$





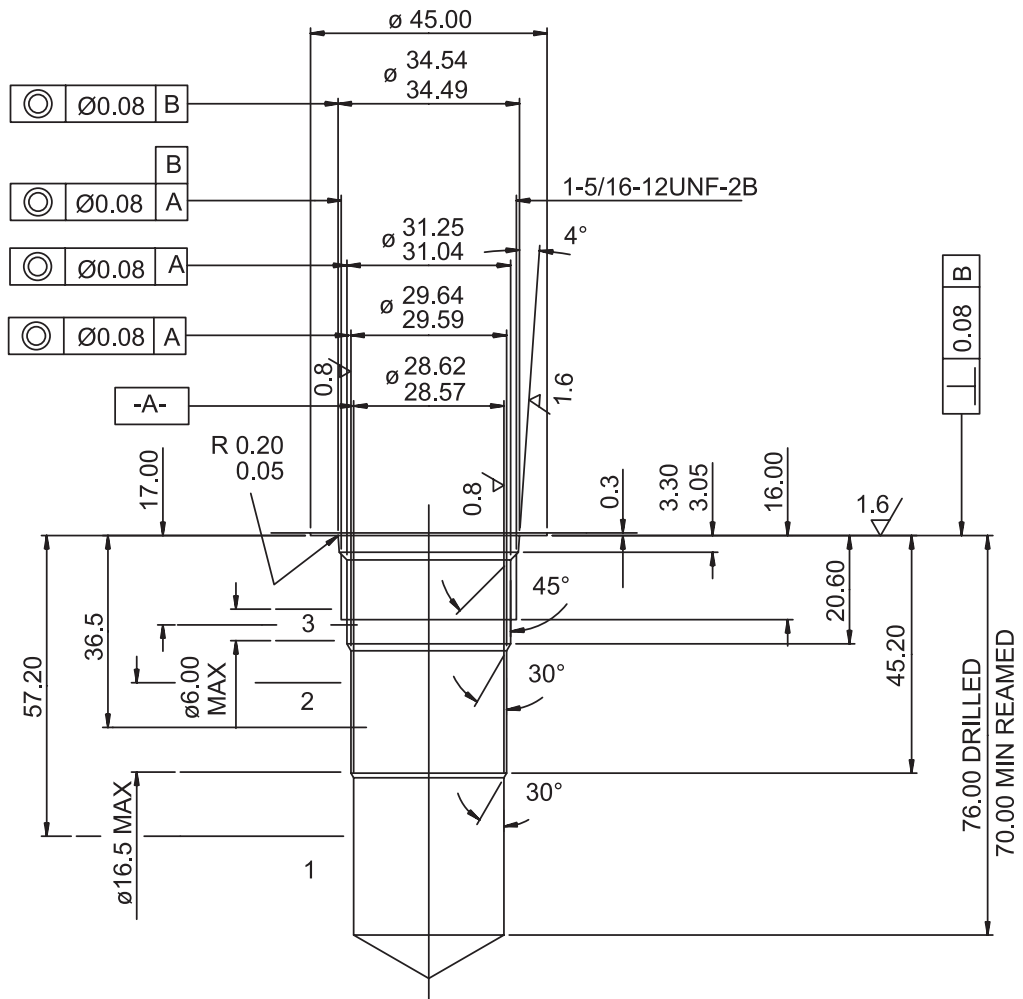
**Dimensions**

Measurements in mm

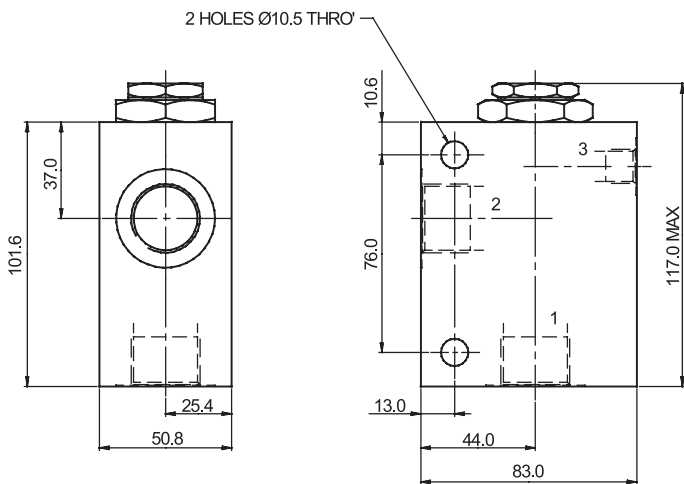


**Cavity**

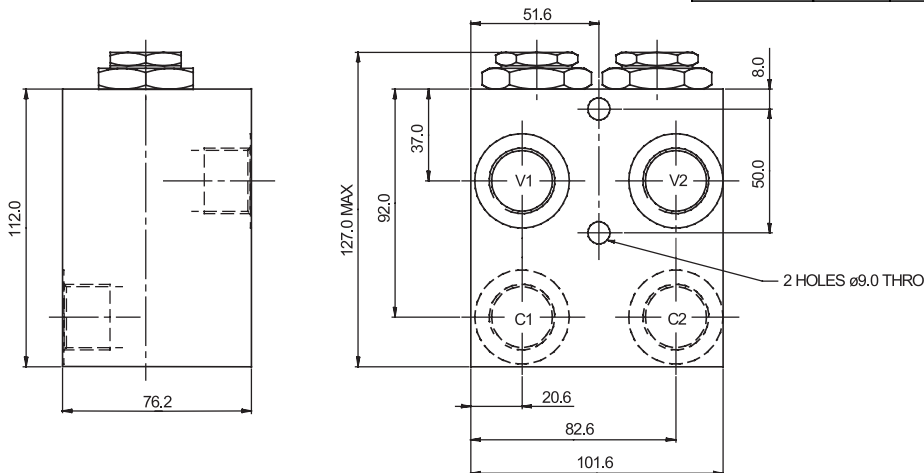
Measurements in mm



# Valve Bodies



Body without valve			
Material	Ports	Port size	Type code
Aluminium	1 ; 2	G3/4	SB-S3-0107AL
	3	G1/4	
	1 ; 2	SAE 12 ; 1-1/16	SB-S3-0108AL
3	SAE 6 ; 9/6-18		
Steel	1 ; 2	G3/4	SB-S3-0107ST
	3	G1/4	
	1 ; 2	SAE 12 ; 1-1/16	SB-S3-0108ST
	3	SAE 6 ; 9/6-18	



Dual body without valve			
Material	Ports	Port size	Type code
Aluminium	C1; C2; V1; V2	G3/4	SB-S3-0207AL
	C1; C2; V1; V2	SAE 12 ; 1-1/16	SB-S3-0208AL
Steel	C1; C2; V1; V2	G3/4	SB-S3-0207ST
	C1; C2; V1; V2	SAE 12 ; 1-1/16	SB-S3-0208ST

The use of aluminium bodies is limited to a maximum operating pressure of 210 bar.

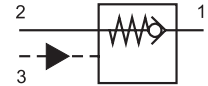
## Spare Parts

Seal kits on request.

## Note

- The packing foil is recyclable.
- The technical information regarding the product presented in this catalogue is for descriptive purposes only. It should not be construed in any case as a guaranteed representation of the product properties in the sense of the law.

ARGO-HYTOS a. s. · CZ - 543 15 Vrchlábí  
 tel.: 499 403111 · fax: 499 403421  
 e-mail: sales.cz@argo-hytos.com  
 www.argo-hytos.com



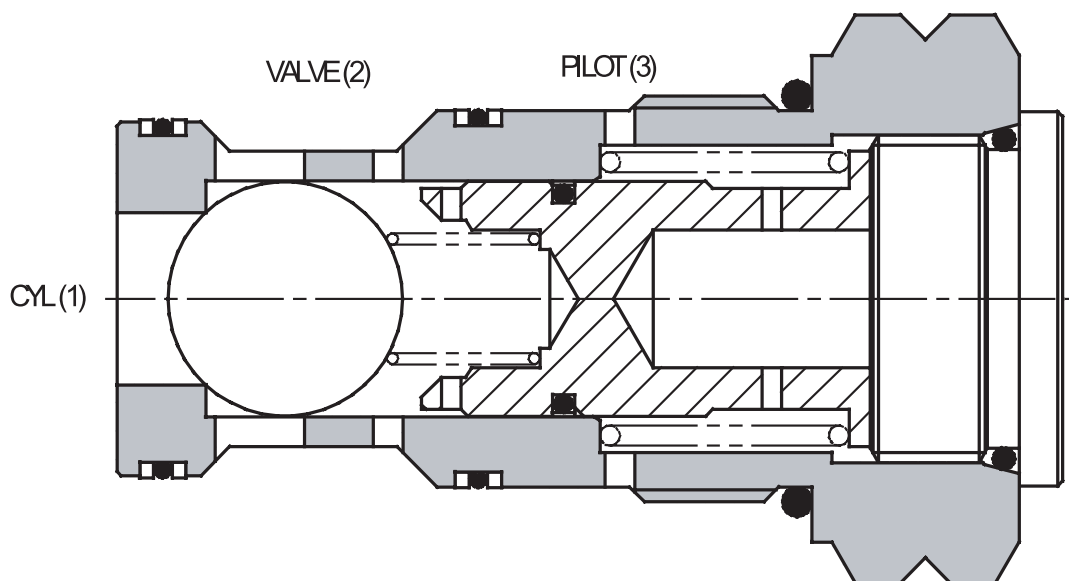
- Load-holding without leakage.
- Low pressure drop.
- Pilot seal.



## Functional Description

Pressure on the cylinder port causes the ball to lift against the spring force, allowing flow through to the valve port. Reverse flow is prevented by the ball reseating. Pressure applied to the pilot port will hold the ball against its seat, preventing flow from cylinder to valve. Easy flow path gives good pressure to

flow characteristics and hardened components ensure a long working life. Cartridge construction allows installation in actuators, manifold blocks and Hydraulic Integrated Circuits. They fit the same cavities as the 4CK pilot to open check valves, so care should be taken when selecting the valve.



## Ordering code

SCC5H-Q3/I

Pilot operated check valve –  
pilot to close

NBR

No designation

Pilot ratio

2:1 2

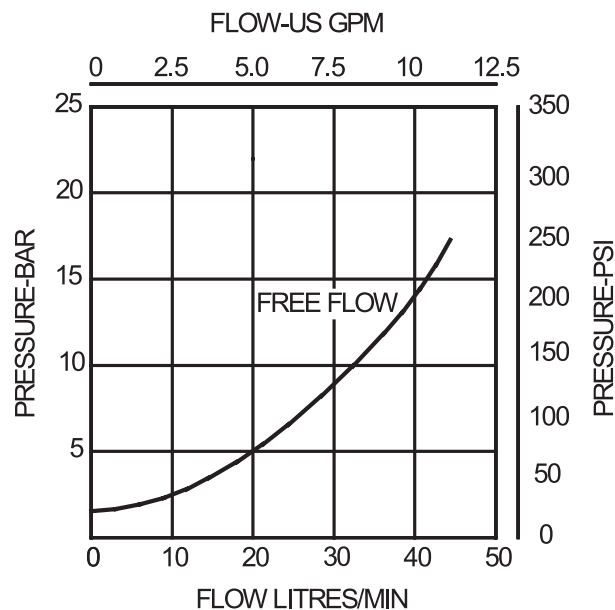
## Technical Data

Figures based on: Oil Temp = 40 °C / Viscosity = 40 mm<sup>2</sup>/s

Cavity		M20 x 1,5
Maximum flow	l/min	30
Max pressure	bar	350
Pilot ratio		2 : 1
Pressure drops	bar	see $\Delta p$ - Q characteristics
Hydraulic fluid		Hydraulic oil (HM, HV) according to DIN 51254
Fluid temperature range	°C	- 20 °C to + 80 °C
Ambient temperature	°C	- 20 °C to + 80 °C
Viscosity	mm <sup>2</sup> /s	10 to 500
Maximum degree of fluid contamination		according to ISO 4406 (1999), Class 21/18/15
Weight	kg	0,08
Maximum valve tightening torque in valve body or in control block		45 <sup>+2</sup> Nm
Mounting position		any

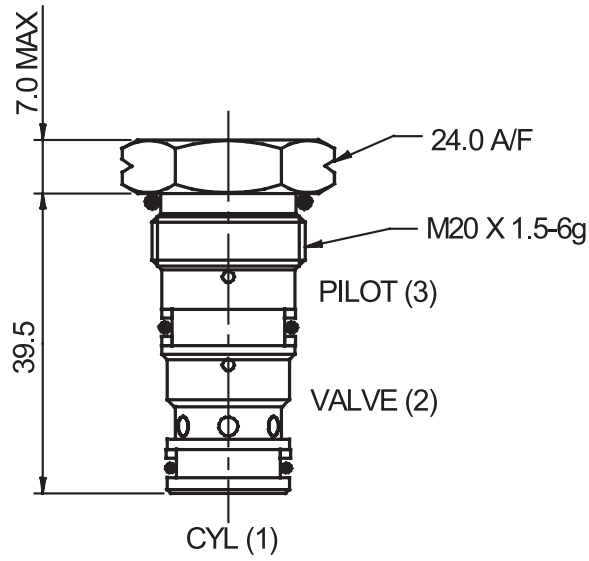
## $\Delta p$ -Q Curves

characteristics determined at v = 35 mm<sup>2</sup>/s und t = 40 °C



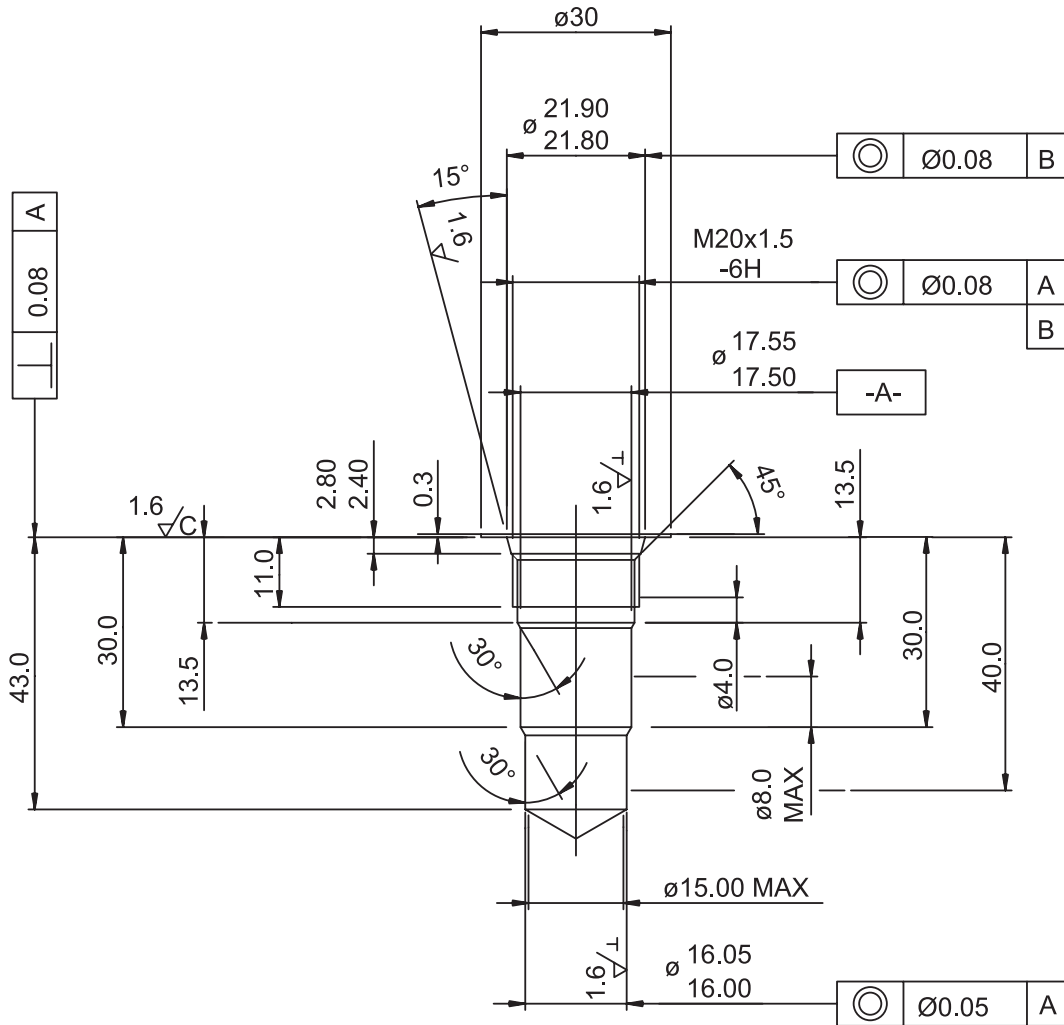
**Dimensions**

Measurements in mm

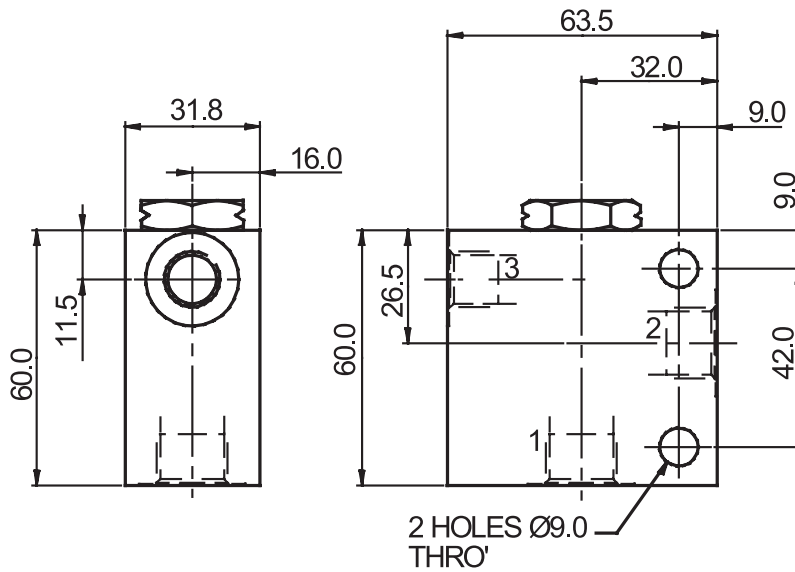


**Cavity**

Measurements in mm



## Valve Bodies



Body without valve			
Material	Ports	Port size	Type code
Aluminium	1 ; 2	G3/8	SB-Q3-0103AL
	3	G1/4	
	1 ; 2	SAE 8 ; 3/4-16	SB-Q3-0104AL
	3	SAE 6 ; 9/6-18	
Steel	1 ; 2	G3/8	SB-Q3-0103ST
	3	G1/4	
	1 ; 2	SAE 8 ; 3/4-16	SB-Q3-0104ST
	3	SAE 6 ; 9/6-18	

The use of aluminium bodies is limited to a maximum operating pressure of 210 bar.

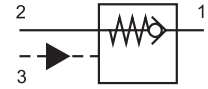
## Spare Parts

Seal kits on request.

## Note

- The packing foil is recyclable.
- The technical information regarding the product presented in this catalogue is for descriptive purposes only. It should not be construed in any case as a guaranteed representation of the product properties in the sense of the law.

ARGO-HYTOS a. s. · CZ - 543 15 Vrchlabí  
 tel.: 499 403111 · fax: 499 403421  
 e-mail: sales.cz@argo-hytos.com  
 www.argo-hytos.com



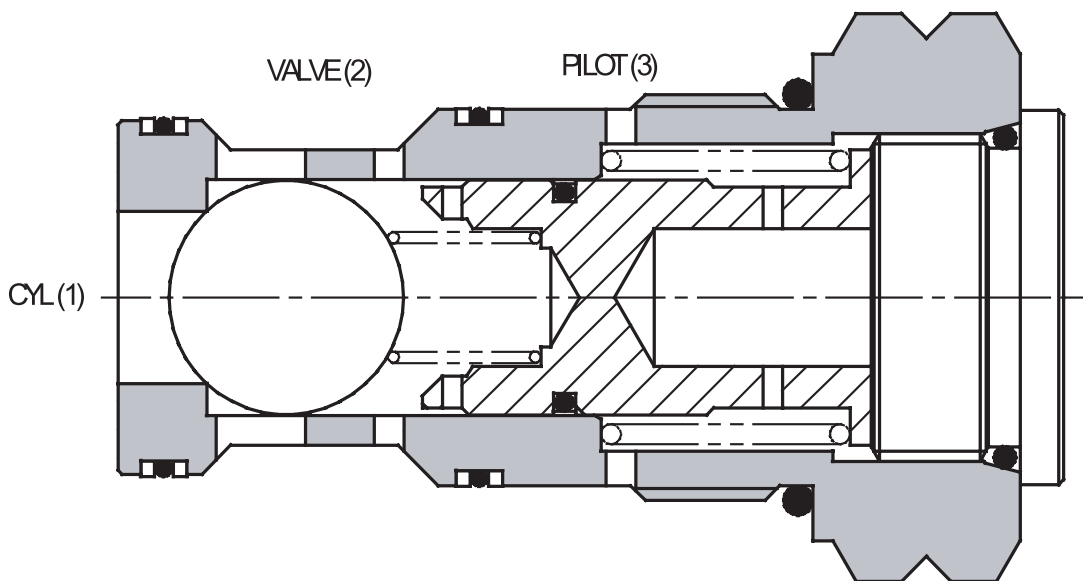
- Load-holding without leakage.
- Low pressure drop.
- Pilot seal.



## Functional Description

Pressure on the cylinder port causes the ball to lift against the spring force, allowing flow through to the valve port. Reverse flow is prevented by the ball reseating. Pressure applied to the pilot port will hold the ball against its seat, preventing flow from cylinder to valve. Easy flow path gives good pressure to

flow characteristics and hardened components ensure a long working life. Cartridge construction allows installation in actuators, manifold blocks and Hydraulic Integrated Circuits. They fit the same cavities as the 4CK pilot to open check valves, so care should be taken when selecting the valve.



## Ordering code

SCC5H-S3/I

Pilot operated check valve – pilot to close

NBR

No designation

Pilot ratio

2:1 2

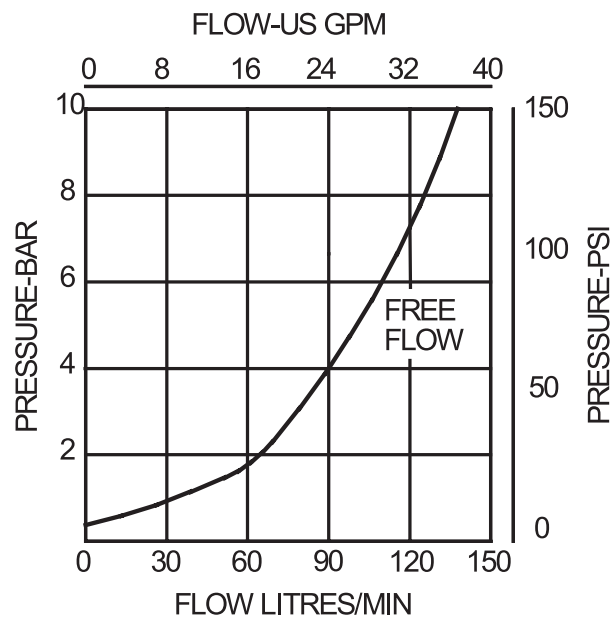
## Technical Data

Figures based on: Oil Temp = 40 °C / Viscosity = 40 mm<sup>2</sup>/s

Cavity		1-5/16-12 UN-2A
Maximum flow	l/min	120
Max pressure	bar	350
Pilot ratio		2 : 1
Pressure drops	bar	see $\Delta p - Q$ characteristics
Hydraulic fluid		Hydraulic oil (HM, HV) according to DIN 51254
Fluid temperature range	°C	- 20 °C to + 80 °C
Ambient temperature	°C	- 20 °C to + 80 °C
Viscosity	mm <sup>2</sup> /s	10 to 500
Maximum degree of fluid contamination		according to ISO 4406 (1999), Class 21/18/15
Weight	kg	0,28
Maximum valve tightening torque in valve body or in control block		100 <sup>+2</sup> Nm
Mounting position		any

## $\Delta p$ -Q Curves

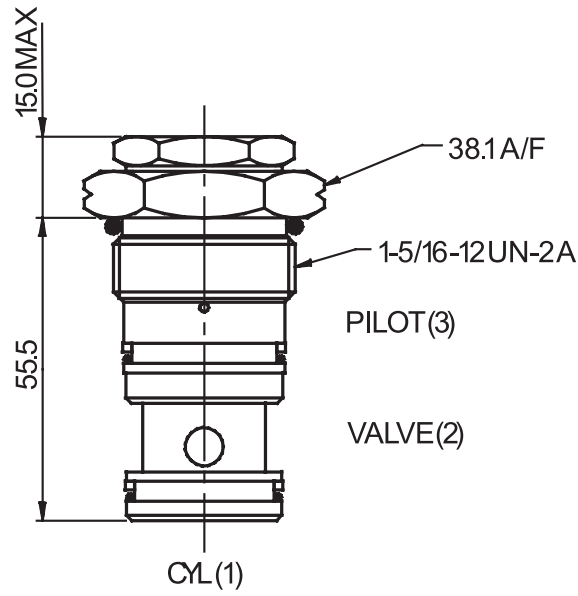
characteristics determined at  $v = 35 \text{ mm}^2/\text{s}$  and  $t = 40 \text{ °C}$





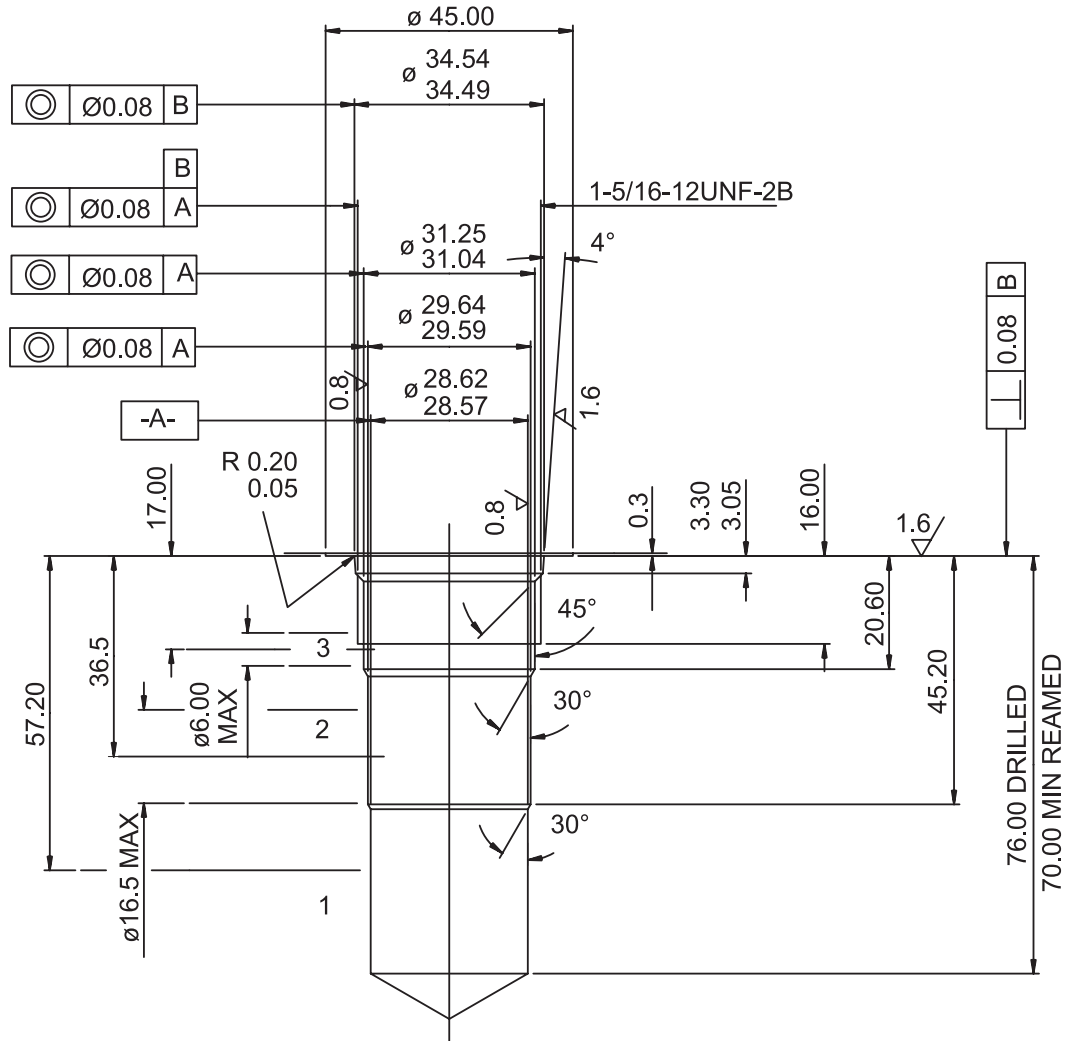
**Dimensions**

Measurements in mm

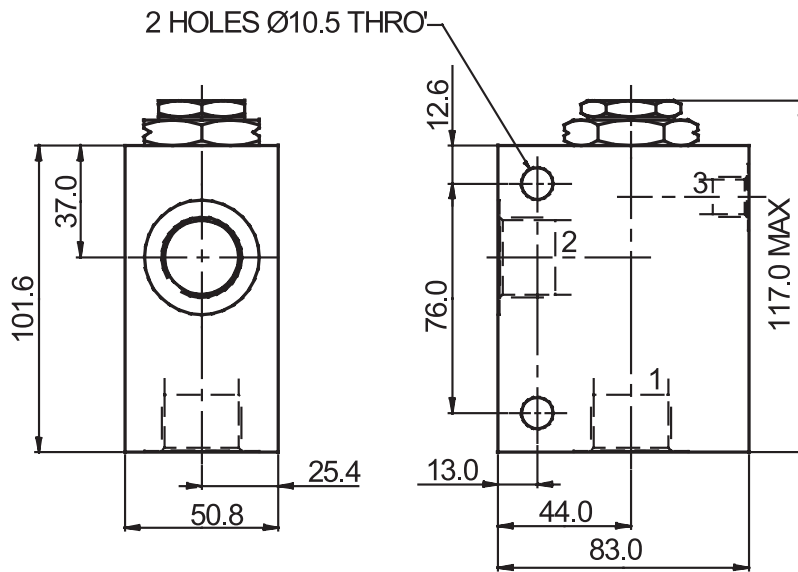


**Cavity**

Measurements in mm



## Valve Bodies



Body without valve			
Material	Ports	Port size	Type code
Aluminium	1 ; 2	G3/4	SB-S3-0107AL
	3	G1/4	
	1 ; 2	SAE 12 ; 1-1/16	SB-S3-0108AL
	3	SAE 6 ; 9/6-18	
Steel	1 ; 2	G3/4	SB-S3-0107ST
	3	G1/4	
	1 ; 2	SAE 12 ; 1-1/16	SB-S3-0108ST
	3	SAE 6 ; 9/6-18	

The use of aluminium bodies is limited to a maximum operating pressure of 210 bar.

## Spare Parts

Seal kits on request.

## Note

- The packing foil is recyclable.
- The technical information regarding the product presented in this catalogue is for descriptive purposes only. It should not be construed in any case as a guaranteed representation of the product properties in the sense of the law.

ARGO-HYTOS a. s. · CZ - 543 15 Vrchlábí  
 tel.: 499 403111 · fax: 499 403421  
 e-mail: sales.cz@argo-hytos.com  
 www.argo-hytos.com