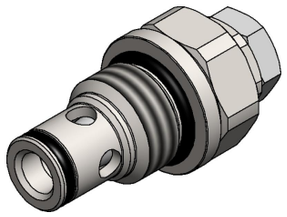
FRTO.S10 VALVE SERIES

SAE Cartridge - 350 bar

Direct acting - Poppet Type

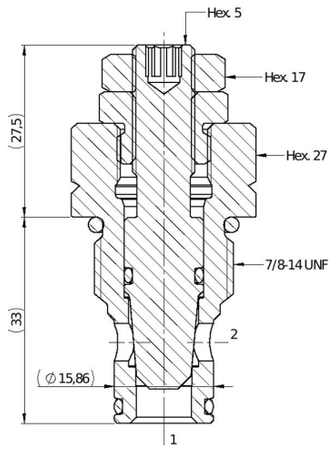


HYDRAULIC SYMBOL

DESCRIPTION

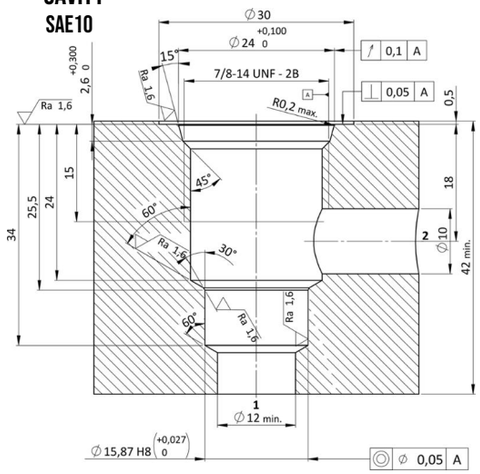
A cartridge style, screw in, non pressure compensated, adjustable flow restrictor valve. Once the flow is adjusted to desired value, both the 1 to 2 and 2 to 1 flow paths are permitted.

CROSS SECTION

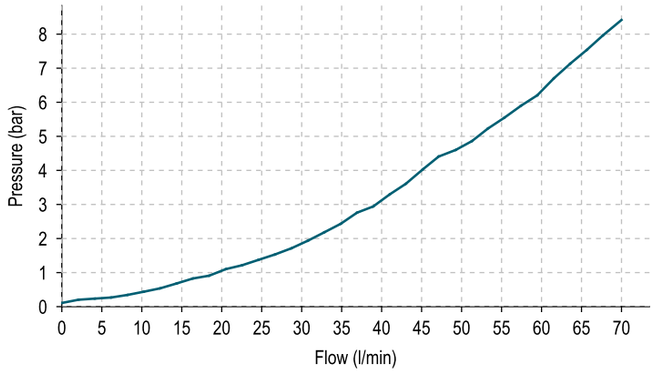


CAVITY

SAE10



PERFORMANCE DETAILS



NOTE

The p/Q performance illustraded in the chart are the same in both directions. p/Q curve is recorded at TOil = 40°C and 46 cSt.

LEGEND

1vs2

TECHNICAL DATA

MAXIMUM OPERATING PRESSURE	350 bar
MAXIMUM FLOW	70 l/min
EXTERNAL COMPONENT TREATMENT	Zn/Fe - standard (96h) Zn/Ni (720h) (Upon customer request)
O-RING TEMPERATURE RANGE	-30° C to 110° C (standard sealing NBR - BUNA - N) -35° C to 140° C (HNBR - Upon customer request) -23° C to 225° C (FKM - Upon customer request)
OIL TEMPERATURE RANGE	-30° C to 110° C
FLUIDS	Mineral - based or synthetics with lubricating properties
VISCOSITIES	7,4 to 420 cSt
FILTRATION	20/18/15 ISO 4406 (maximum filtration admitted)
ORIENTATION	No restrictions
INSTALLATION TORQUE	55-65 Nm Hex.27
TIGHTENING TORQUE NUT	15-20 Nm Hex.17
TECH. SPEC. FOR CHARACTERIZATION	see page 807
OIL TESTING CONDITIONS	ISO VG 46 cSt
SEAL KIT CODE	SK.032 (standard sealing NBR-BUNA-N)
WEIGHT	0,154 kg

ORDERING CODE

F	R	T	0	·	S	1	0	·	0	*	·	*	0	0

VALVE BASIC CODE

SIZE

S10 = 7/8-14 UNF with Ø15,86 nose size

MARKING

0 = Standard factory marking. Customized marking can be done upon request.

FLOW ADJUSTMENT

W = Top plastic knob + plastic counter knob

V = Top plastic knob

0 = Hex allen head

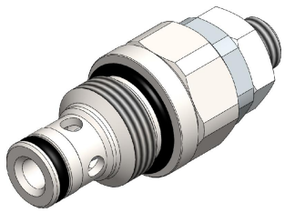
000 = Standard configuration.
100 = Fine regulation

Specifications may change without notice.

FRTO.S08 VALVE SERIES

SAE Cartridge - 350 bar

Direct acting - Poppet Type

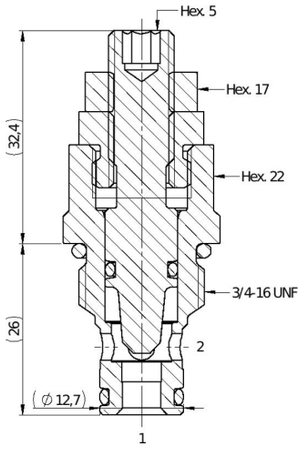


HYDRAULIC SYMBOL

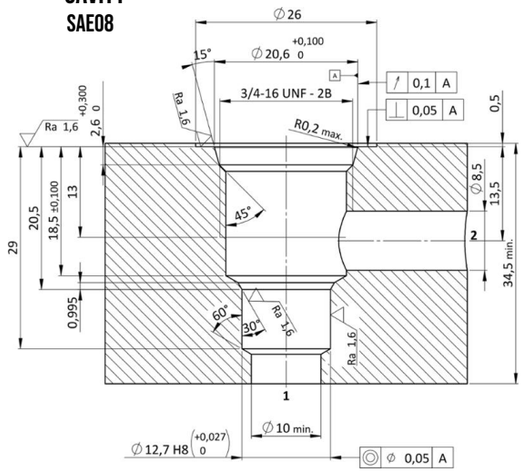
DESCRIPTION

A cartridge style, screw in, non pressure compensated, adjustable flow restrictor valve. Once the flow is adjusted to desired value, both the 1 to 2 and 2 to 1 flow paths are permitted.

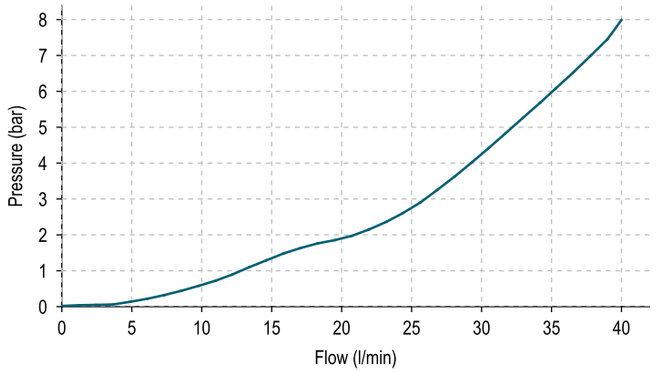
CROSS SECTION



CAVITY SAE08



PERFORMANCE DETAILS



NOTE

The p/Q performance illustraded in the chart are the same in both directions. p/Q curve is recorded at TOil = 40°C and 46 cSt.

LEGEND

1vs2

TECHNICAL DATA

MAXIMUM OPERATING PRESSURE	350 bar
MAXIMUM FLOW	40 l/min
EXTERNAL COMPONENT TREATMENT	Zn/Fe - standard (96h) Zn/Ni (720h) (Upon customer request)
O-RING TEMPERATURE RANGE	-30° C to 110° C (standard sealing NBR - BUNA - N) -35° C to 140° C (HNBR - Upon customer request) -23° C to 225° C (FKM - Upon customer request)
OIL TEMPERATURE RANGE	-30° C to 110° C
FLUIDS	Mineral - based or synthetics with lubricating properties
VISCOSITIES	7,4 to 420 cSt
FILTRATION	20/18/15 ISO 4406 (maximum filtration admitted)
ORIENTATION	No restrictions
INSTALLATION TORQUE	40-45 Nm Hex.22
TIGHTENING TORQUE NUT	15-20 Nm Hex.17
TECH. SPEC. FOR CHARACTERIZATION	see page 807
OIL TESTING CONDITIONS	ISO VG 46 cSt
SEAL KIT CODE	SK.003 (standard sealing NBR-BUNA-N)
WEIGHT	0,100 kg

ORDERING CODE

F	R	T	0	·	S	0	8	·	0	*	·	*	0	0

VALVE BASIC CODE

SIZE

S08 = 3/4-16 UNF with Ø12,7 nose size

MARKING

0 = Standard factory marking. Customized marking can be done upon request.

FLOW ADJUSTMENT

W = Top plastic knob + plastic counter knob

V = Top plastic knob

0 = Hex allen head

000 = Standard configuration.
100 = Fine regulation

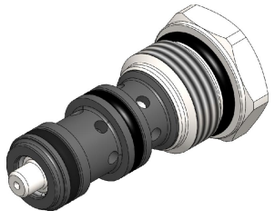
Specifications may change without notice.

SPC6.S08 VALVE SERIES

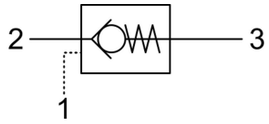
SAE Cartridge - 350 bar

Direct acting check valve

Pilot piston to open



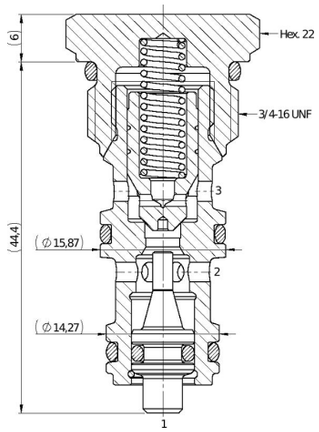
HYDRAULIC SYMBOL



DESCRIPTION

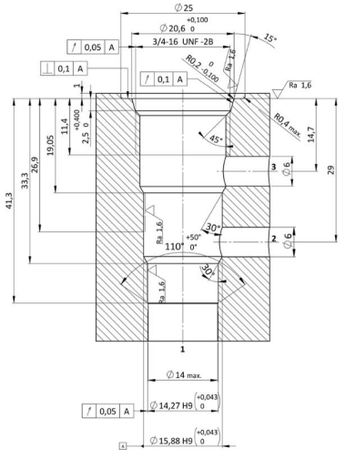
Cartridge style, normally closed, single pilot check valve. Cartridge is closed until sufficient pressure is applied on port 2 to reach the bias spring setting, lift the poppet and allow free flow to 3. The valve is normally closed from 3 to 2. When sufficent pressure is applied on port 1, the pilot piston lifts the poppet from its seat and allows flow from 3 to 2. Very limited leakage in the check condition.

CROSS SECTION

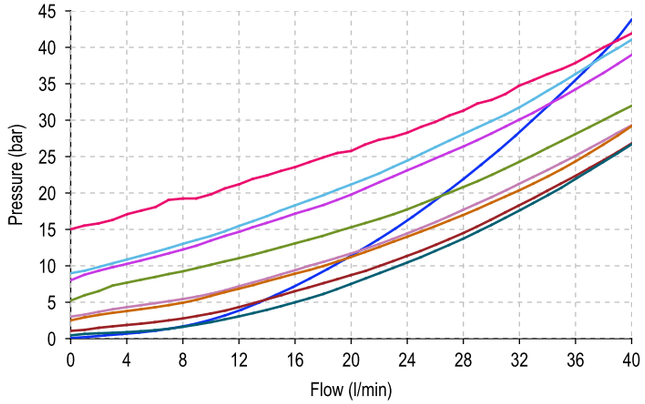


CAVITY

SAE08-2



PERFORMANCE DETAILS



NOTE

The performance chart illustrates flow handling capacity for significant spring options.
p/Q curves are recorded at TOil = 40°C and 46 cSt.

LEGEND

- Spring Y
- Spring N
- Spring S
- Spring B
- Spring P
- Spring G
- Spring V
- Spring W
- 3vs2 Piloted

TECHNICAL DATA

MAXIMUM OPERATING PRESSURE	350 bar
MAXIMUM FLOW	40 l/min
MAXIMUM INTERNAL LEAKAGE	0,10 cm^3 / min @ 10 bar 0,10 cm^3 / min @ 350 bar
PILOT RATIO	3,2:1
EXTERNAL COMPONENT TREATMENT	Zn/Fe - standard (96h) Zn/Ni (720h) (Upon customer request)
O-RING TEMPERATURE RANGE	-30° C to 110° C (standard sealing NBR - BUNA - N) -35° C to 140° C (HNBR - Upon customer request) -23° C to 225° C (FKM - Upon customer request)
OIL TEMPERATURE RANGE	-30° C to 110° C
FLUIDS	Mineral - based or synthetics with lubricating properties
VISCOSITIES	7,4 to 420 cSt
FILTRATION	20/18/15 ISO 4406 (maximum filtration admitted)
ORIENTATION	No restrictions
INSTALLATION TORQUE	40-45 Nm Hex.22
TECH. SPEC. FOR CHARACTERIZATION	see page 807
OIL TESTING CONDITIONS	ISO VG 46 cSt
SEAL KIT CODE	SK.047 (standard sealing NBR-BUNA-N)
WEIGHT	0,063 kg

ORDERING CODE

S	P	C	6	·	S	0	8	·	0	*	·	0	0	0

VALVE BASIC CODE

OPTIONS

6 = Standard configuration

7 = Without O-Ring on the pilot piston

SIZE

3/4-16 UNF with Ø15,87 and Ø14,27 nose sizes

MARKING

0 = Standard factory marking. Customized marking can be done upon request.

000 = Standard configuration.

BIAS SPRING OPTIONS

Spring model code	Cracking pressure (bar)	Spring model code	Cracking pressure (bar)
Y	<0,5	W	15,0
N	1,0		
S	2,5		
B	3,0		
P	5,0		
G	8,0		
V	9,0		

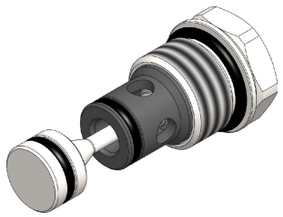
Specifications may change without notice.

SPCO.S10 VALVE SERIES

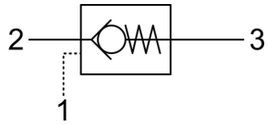
Hybrid SAE10 Cartridge - 420 bar

Direct acting check valve

Pilot piston to open



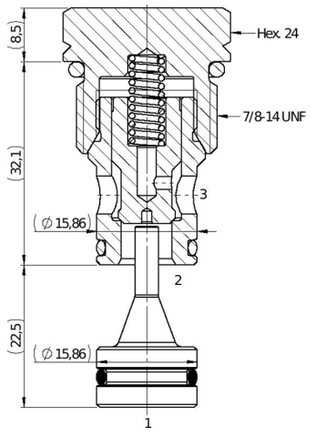
HYDRAULIC SYMBOL



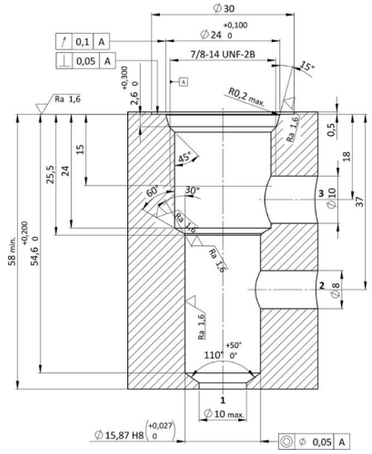
DESCRIPTION

Normally closed, single pilot check valve. Cartridge is closed until sufficient pressure is applied on port 2 to reach the bias spring setting, lift the poppet and allow free flow to 3. The valve is normally closed from 3 to 2. When sufficent pressure is applied on port 1, the pilot piston lifts the poppet from its seat and allows flow from 3 to 2. Very limited leakage in the check condition.

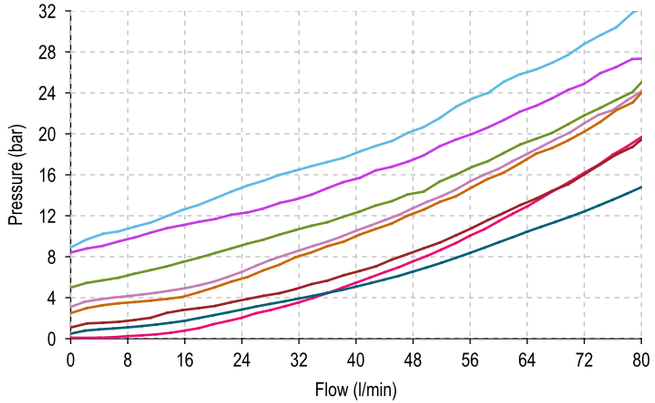
CROSS SECTION



CAVITY VH146



PERFORMANCE DETAILS



NOTE

The performance chart illustrates flow handling capacity for significant spring options.
p/Q curves are recorded at TOil = 40°C and 46 cSt.

LEGEND

- Spring Y
- Spring N
- Spring S
- Spring B
- Spring P
- Spring G
- Spring V
- 3vs2 Piloted

TECHNICAL DATA

MAXIMUM OPERATING PRESSURE	420 bar
MAXIMUM FLOW	80 l/min
MAXIMUM INTERNAL LEAKAGE	0,10 cm^3 / min @ 10 bar 0,10 cm^3 / min @ 420 bar
PILOT RATIO	3,9:1
EXTERNAL COMPONENT TREATMENT	Zn/Fe - standard (96h) Zn/Ni (720h) (Upon customer request)
O-RING TEMPERATURE RANGE	-30° C to 110° C (standard sealing NBR - BUNA - N) -35° C to 140° C (HNBR - Upon customer request) -23° C to 225° C (FKM - Upon customer request)
OIL TEMPERATURE RANGE	-30° C to 110° C
FLUIDS	Mineral - based or synthetics with lubricating properties
VISCOSITIES	7,4 to 420 cSt
FILTRATION	20/18/15 ISO 4406 (maximum filtration admitted)
ORIENTATION	No restrictions
INSTALLATION TORQUE	55-65 Nm Hex.24
TECH. SPEC. FOR CHARACTERIZATION	see page 807
OIL TESTING CONDITIONS	ISO VG 46 cSt
SEAL KIT CODE	SK.081 (standard sealing NBR-BUNA-N)
WEIGHT	0,100 kg

ORDERING CODE

S	P	C	0	·	S	1	0	·	0	*	·	0	0	0

VALVE BASIC CODE

OPTIONS

0 = Standard configuration

B = Without O-Ring on the pilot piston

SIZE

7/8-14 UNF with Ø15,86 nose size

MARKING

0 = Standard factory marking. Customized marking can be done upon request.

000 = Standard configuration.

BIAS SPRING OPTIONS

Spring model code	Cracking pressure (bar)
Y	0,5
N	1,0
S	2,5
B	3,0
P	5,0
G	8,0
V	9,0

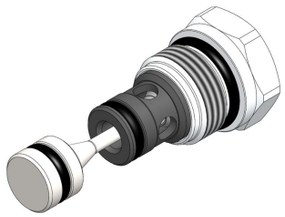
Specifications may change without notice.

SPCO.S08 VALVE SERIES

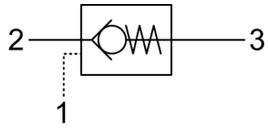
Hybrid SAE08 Cartridge - 420 bar

Direct acting check valve

Pilot piston to open



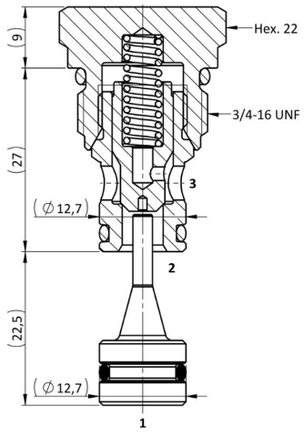
HYDRAULIC SYMBOL



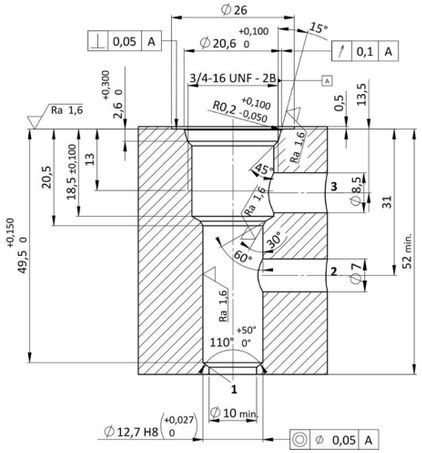
DESCRIPTION

Normally closed, dual pilot check valve. Cartridge is closed until sufficient pressure is applied on port 2 to reach the bias spring setting, lift the poppet and allow free flow to 3. The valve is normally closed from 3 to 2. When sufficent pressure is applied on port 1, the pilot piston lifts the poppet from its seat and allows flow from 3 to 2. Very limited leakage in the check condition.

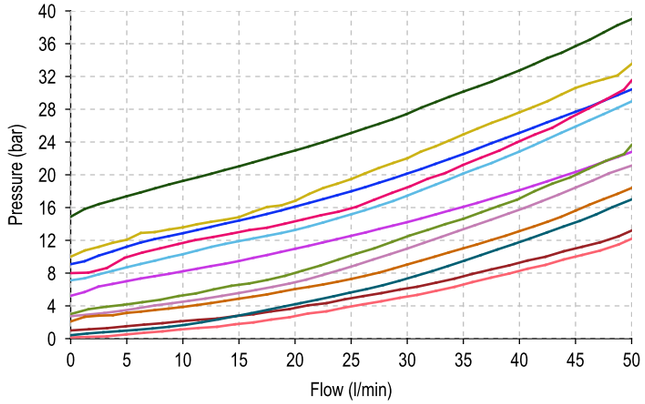
CROSS SECTION



CAVITY VH102



PERFORMANCE DETAILS



NOTE

The performance chart illustrates flow handling capacity for significant spring options.
p/Q curves are recorded at TOil = 40°C and 46 cSt.

LEGEND

- Spring Y
- Spring N
- Spring M
- Spring S
- Spring B
- Spring P
- Spring I
- Spring G
- Spring V
- Spring R
- Spring W
- 3vs2 Piloted

TECHNICAL DATA

MAXIMUM OPERATING PRESSURE	420 bar
MAXIMUM FLOW	50 l/min
MAXIMUM INTERNAL LEAKAGE	0,10 cm^3 / min @ 10 bar 0,10 cm^3 / min @ 420 bar
PILOT RATIO	4,5:1
EXTERNAL COMPONENT TREATMENT	Zn/Fe - standard (96h) Zn/Ni (720h) (Upon customer request)
O-RING TEMPERATURE RANGE	-30° C to 110° C (standard sealing NBR - BUNA - N) -35° C to 140° C (HNBR - Upon customer request) -23° C to 225° C (FKM - Upon customer request)
OIL TEMPERATURE RANGE	-30° C to 110° C
FLUIDS	Mineral - based or synthetics with lubricating properties
VISCOSITIES	7,4 to 420 cSt
FILTRATION	20/18/15 ISO 4406 (maximum filtration admitted)
ORIENTATION	No restrictions
INSTALLATION TORQUE	40-45 Nm Hex.22
TECH. SPEC. FOR CHARACTERIZATION	see page 807
OIL TESTING CONDITIONS	ISO VG 46 cSt
SEAL KIT CODE	SK.045 (standard sealing NBR-BUNA-N)
WEIGHT	0,068 kg

ORDERING CODE

S	P	C	0	·	S	0	8	·	0	*	·	0	0	0

VALVE BASIC CODE

OPTIONS

0 = Standard configuration

4 = Without O-Ring on the pilot piston

SPF0 = With standard filtration

MARKING

0 = Standard factory marking. Customized marking can be done upon request.

SIZE

3/4-16 UNF with Ø12,7 nose size

000 = Standard configuration.

BIAS SPRING OPTIONS

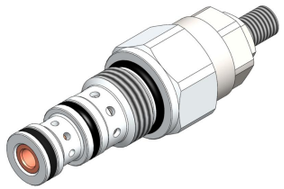
Spring model code	Cracking pressure (bar)	Spring model code	Cracking pressure (bar)
Y	0,5	G	8,0
N	1,0	V	9,0
M	2,0	R	10,0
S	2,5	W	15,0
B	3,0		
P	5,0		
I	7,0		

Specifications may change without notice.

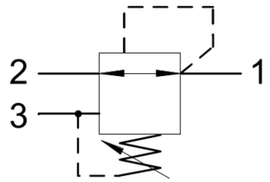
PRAO.S08 VALVE SERIES

SAE Cartridge - 350 bar

Direct acting - Spool Type



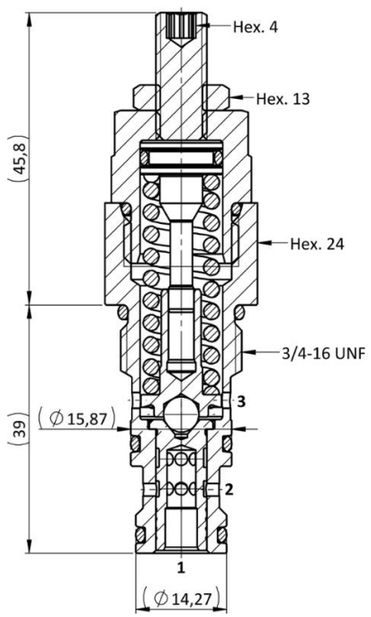
HYDRAULIC SYMBOL



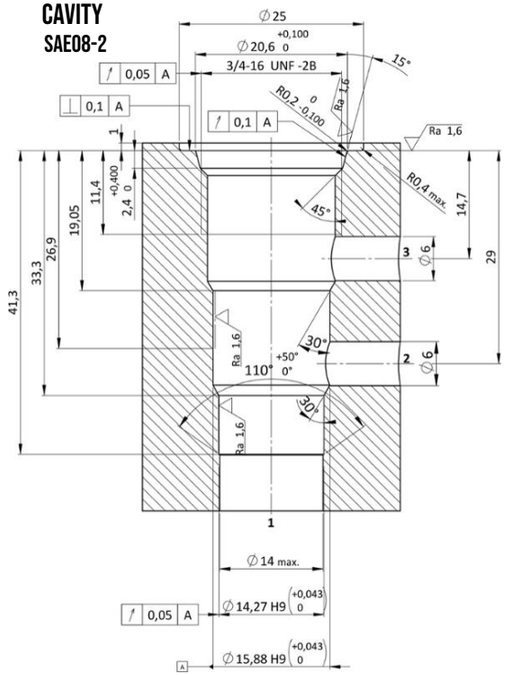
DESCRIPTION

A screw-in, cartridge style, direct acting, poppet type, hydraulic pressure reducing and relieving valve with internal spring chamber drain. When the pressure at port (1) is below the valve setting, the valve allows the flow to pass bidirectionally from (1) to (2). When the pressure at port (1) exceeds the valve setting, the spool shifts to restrict the flow at port (2), relieving or reducing the pressure at port (1) depending on the flow direction. A further pressure increase in port (1) causes the spool to shift against the spring so that the flow is relieved to tank (3). The system is self-regulated and stable thanks to an appropriate negative feedback. The spring chamber is constantly drained to tank.

CROSS SECTION



CAVITY SAE08-2



TECHNICAL DATA

MAXIMUM OPERATING PRESSURE	350 bar
MAXIMUM FLOW	20 l/min
MAXIMUM INTERNAL LEAKAGE (1 TO 3)	100 cm^3 / min to 80 % of nominal set point
EXTERNAL COMPONENT TREATMENT	Zn/Fe - standard (96h) Zn/Ni (720h) (Upon customer request)
O-RING TEMPERATURE RANGE	-30° C to 110° C (standard sealing NBR - BUNA - N) -35° C to 140° C (HNBR - Upon customer request) -23° C to 225° C (FKM - Upon customer request)
OIL TEMPERATURE RANGE	-30° C to 110° C
PRESSURE SETTING ESTABLISHED	@1 l/min
PLASTIC TAMPER PROOF CAP	CTP.013
FLUIDS	Mineral - based or synthetics with lubricating properties
VISCOSITIES	7,4 to 420 cSt
FILTRATION	20/18/15 ISO 4406 (maximum filtration admitted)
ORIENTATION	No restrictions
INSTALLATION TORQUE	45-50 Nm Hex.24
TIGHTENING TORQUE NUT	10-15 Nm Hex.13
TECH. SPEC. FOR CHARACTERIZATION	see page 807
OIL TESTING CONDITIONS	ISO VG 46 cSt
SEAL KIT CODE	SK.035 (standard sealing NBR-BUNA-N)
WEIGHT	0,141 kg

ORDERING CODE

P	R	A	0	·	S	0	8	·	0	*	·	*	*	*

VALVE BASIC CODE
0= standard; J= special version only reducing valve for 80-120 bar

SIZE
3/4-16 UNF with Ø15,87 and Ø14,27 nose sizes

MARKING
0 = Standard factory marking. Customized marking can be done upon request.

SPRING RANGE

Spring model code	Pressure setting range (bar)
S	15-40
N	20-80
B	80-120

Spring B= reducing fuction only (PRAJ.S08)

PRESSURE SETTING IN [BAR]
Standard setting are multiple of 5 bars.

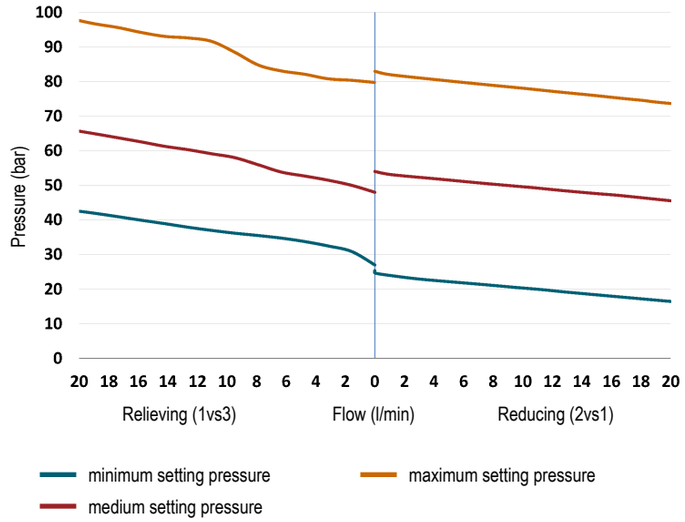
Specifications may change without notice.

Rev. 1

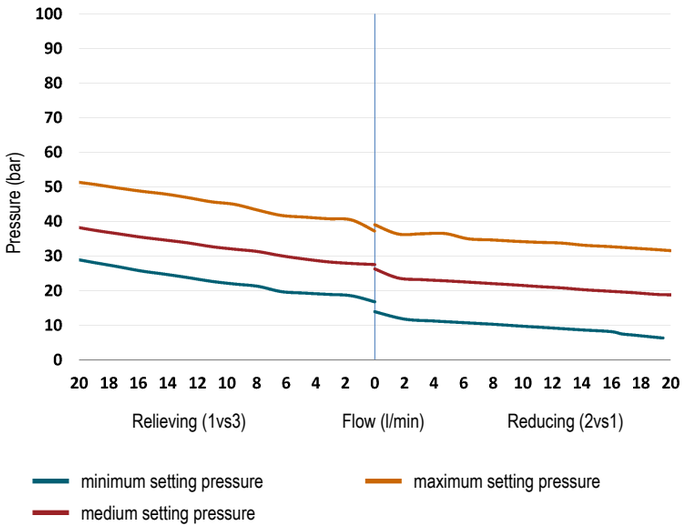
PRA0.S08

The performance chart illustrates flow handling capacity at various settings for each spring option.
Curves are recorded at TOil = 40°C and 46 cSt.

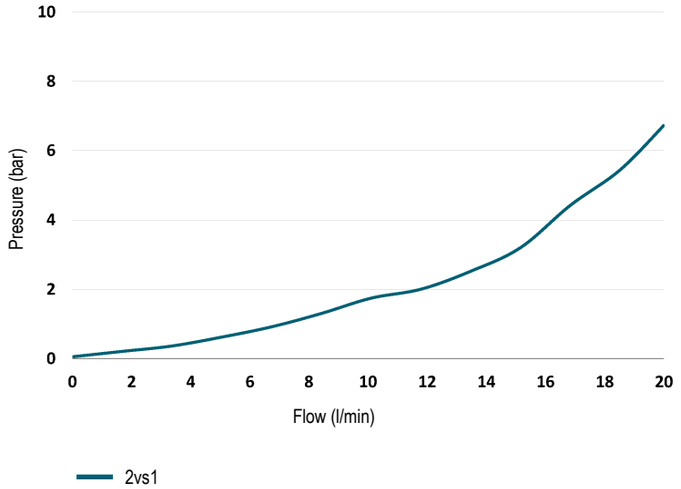
PRESSURE REDUCING & RELIEVING FUNCTIONS - SPRING N



PRESSURE REDUCING & RELIEVING FUNCTIONS - SPRING S



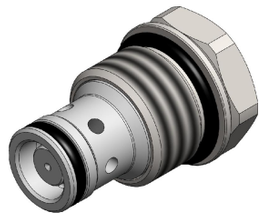
P/Q PERFORMANCE (FULLY OPEN)



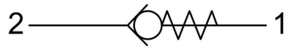
CVZ0.S10 VALVE SERIES

SAE10 Cartridge - 420 bar

Direct acting - Poppet type



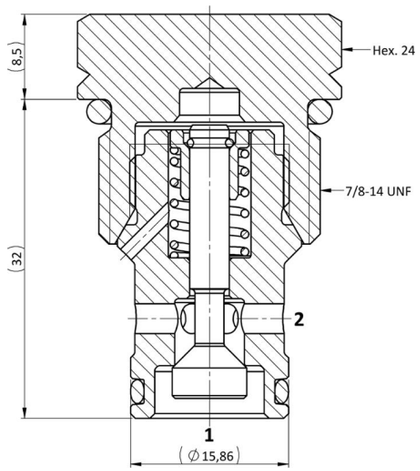
HYDRAULIC SYMBOL



DESCRIPTION

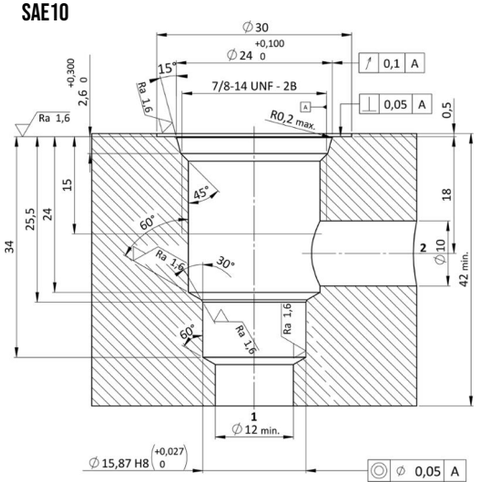
A screw-in, cartridge style, direct acting, poppet type check valve. Main use is as a blocking or load-holding device. The CVZ0.S10 allows flow passage from port 2 to 1: the cartridge has a fully guided check which is spring-biased closed until sufficient pressure is applied at port 2 to open to 1. The flow is blocked in the opposite direction (1 to 2).

CROSS SECTION

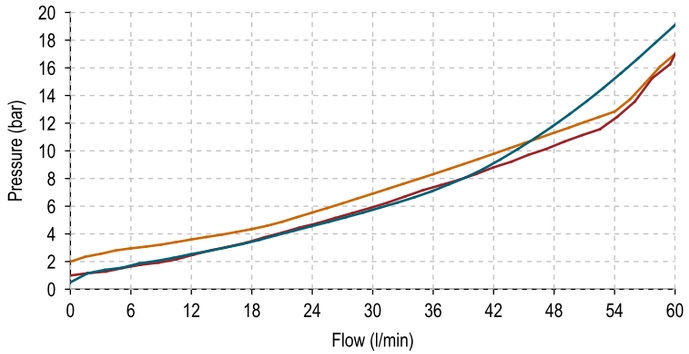


CAVITY

SAE10



PERFORMANCE DETAILS



NOTE

The performance chart illustrates flow handling capacity for significant spring bias options.
p/Q curves are recorded at TOil = 40°C and 46 cSt.

LEGEND

- Spring L
- Spring Y
- Spring N

TECHNICAL DATA

MAXIMUM OPERATING PRESSURE	420 bar
MAXIMUM FLOW	60 l/min
CRACKING PRESSURE	see table below
MAXIMUM INTERNAL LEAKAGE	0,10 cm^3 / min @ 10 bar 0,10 cm^3 / min @ 420 bar
EXTERNAL COMPONENT TREATMENT	Zn/Fe - standard (96h) Zn/Ni (720h) (Upon customer request)
O-RING TEMPERATURE RANGE	-30° C to 110° C (standard sealing NBR - BUNA - N) -35° C to 140° C (HNBR - Upon customer request) -23° C to 225° C (FKM - Upon customer request)
OIL TEMPERATURE RANGE	-30° C to 110° C
FLUIDS	Mineral - based or synthetics with lubricating properties
VISCOSITIES	7,4 to 420 cSt
FILTRATION	20/18/15 ISO 4406 (maximum filtration admitted)
ORIENTATION	No restrictions
INSTALLATION TORQUE	55-65 Nm Hex.24
TECH. SPEC. FOR CHARACTERIZATION	see page 807
OIL TESTING CONDITIONS	ISO VG 46 cSt
SEAL KIT CODE	SK.032 (standard sealing NBR-BUNA-N)
WEIGHT	0,090 kg

ORDERING CODE

C	V	Z	0	·	S	1	0	·	0	*	·	0	0	0

VALVE BASIC CODE

SIZE
7/8-14 UNF with Ø15,86 nose size

MARKING
0 = Standard factory marking.
Customized marking can be done upon request.

000 = Standard configuration.

BIAS SPRING OPTIONS

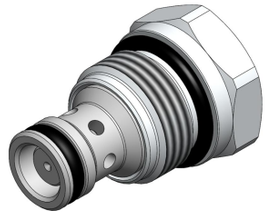
Spring model code	Cracking pressure (bar)
L	0,5
Y	1,0
N	2,0

Specifications may change without notice.

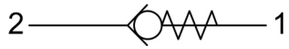
CVZ0.S08 VALVE SERIES

SAE08 Cartridge - 420 bar

Direct acting - Poppet type



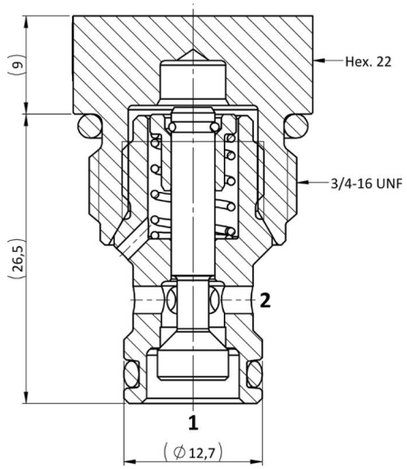
HYDRAULIC SYMBOL



DESCRIPTION

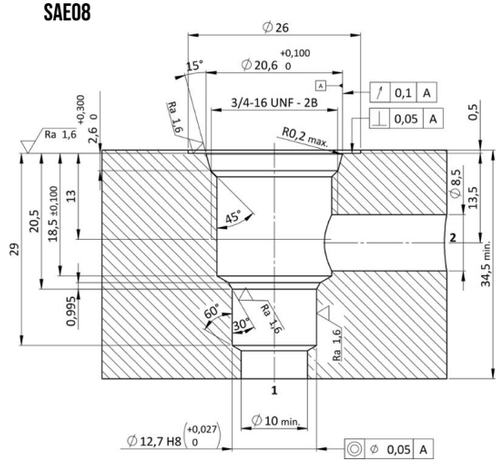
A screw-in, cartridge style, direct acting, poppet type check valve. Main use is as a blocking or load-holding device. The CVZ0.S08 allows flow passage from port 2 to 1: the cartridge has a fully guided check which is spring-biased closed until sufficient pressure is applied at port 2 to open to 1. The flow is blocked in the opposite direction (1 to 2).

CROSS SECTION

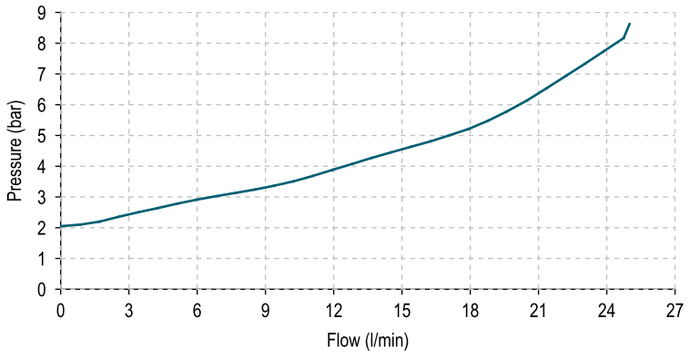


CAVITY

SAE08



PERFORMANCE DETAILS



NOTE

The performance chart illustrates flow handling capacity for significant spring bias options. p/Q curves are recorded at TOil = 40°C and 46 cSt.

LEGEND

— Spring N

TECHNICAL DATA

MAXIMUM OPERATING PRESSURE	420 bar
MAXIMUM FLOW	25 l/min
CRACKING PRESSURE	see table below
MAXIMUM INTERNAL LEAKAGE	0,10 cm^3 / min @ 10 bar 0,10 cm^3 / min @ 350 bar
EXTERNAL COMPONENT TREATMENT	Zn/Fe - standard (96h) Zn/Ni (720h) (Upon customer request)
O-RING TEMPERATURE RANGE	-30° C to 110° C (standard sealing NBR - BUNA - N) -35° C to 140° C (HNBR - Upon customer request) -23° C to 225° C (FKM - Upon customer request)
OIL TEMPERATURE RANGE	-30° C to 110° C
FLUIDS	Mineral - based or synthetics with lubricating properties
VISCOSITIES	7,4 to 420 cSt
FILTRATION	20/18/15 ISO 4406 (maximum filtration admitted)
ORIENTATION	No restrictions
INSTALLATION TORQUE	45-50 Nm Hex.22
TECH. SPEC. FOR CHARACTERIZATION	see page 807
OIL TESTING CONDITIONS	ISO VG 46 cSt
SEAL KIT CODE	SK.030 (standard sealing NBR-BUNA-N)
WEIGHT	0,060 kg

ORDERING CODE

C	V	Z	0	·	S	0	8	·	0	*	·	0	0	0

VALVE BASIC CODE

SIZE
3/4-16 UNF with Ø12,7 nose size

MARKING
0 = Standard factory marking.
Customized marking can be done upon request.

000 = Standard configuration.

BIAS SPRING OPTIONS

Spring model code	Cracking pressure (bar)
N	2,0

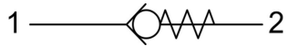
Specifications may change without notice.

CVC5.S08 VALVE SERIES

SAE08 Cartridge - 420 bar

Direct acting - Poppet type

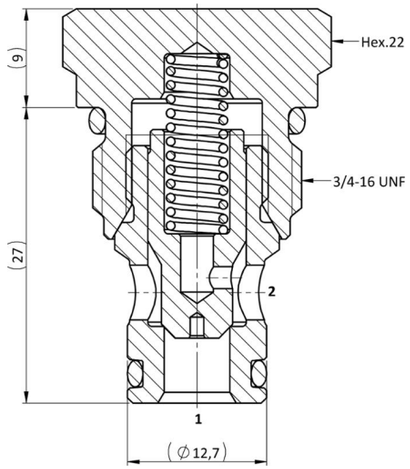
HYDRAULIC SYMBOL



DESCRIPTION

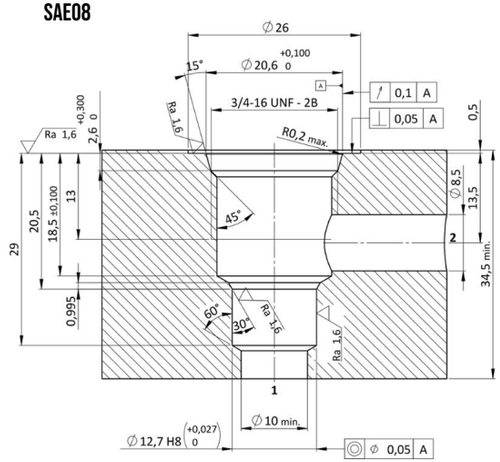
A screw-in, cartridge style, direct acting, poppet type check valve. Main use is as a blocking or load-holding device. The CVC5.S08 allows flow passage from port 1 to 2: the cartridge has a fully guided check which is spring-biased closed until sufficient pressure is applied at port 1 to open to 2. The flow is blocked in the opposite direction (2 to 1).

CROSS SECTION

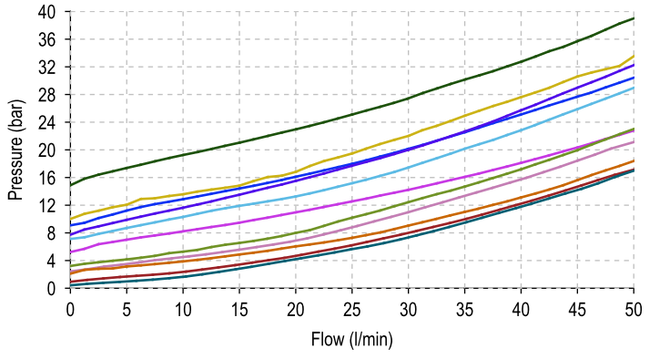


CAVITY

SAE08



PERFORMANCE DETAILS



NOTE

The performance chart illustrates flow handling capacity for significant spring bias options. p/Q curves are recorded at TOil = 40°C and 46 cSt.

LEGEND

- Spring Y
- Spring I
- Spring N
- Spring G
- Spring M
- Spring V
- Spring S
- Spring R
- Spring B
- Spring W
- Spring P

TECHNICAL DATA

MAXIMUM OPERATING PRESSURE	420 bar
MAXIMUM FLOW	50 l/min
CRACKING PRESSURE	see table below
MAXIMUM INTERNAL LEAKAGE	0,10 cm^3 / min @ 10 bar 0,10 cm^3 / min @ 420 bar
EXTERNAL COMPONENT TREATMENT	Zn/Fe - standard (96h) Zn/Ni (720h) (Upon customer request)
O-RING TEMPERATURE RANGE	-30° C to 110° C (standard sealing NBR - BUNA - N) -35° C to 140° C (HNBR - Upon customer request) -23° C to 225° C (FKM - Upon customer request)
OIL TEMPERATURE RANGE	-30° C to 110° C
FLUIDS	Mineral - based or synthetics with lubricating properties
VISCOSITIES	7,4 to 420 cSt
FILTRATION	20/18/15 ISO 4406 (maximum filtration admitted)
ORIENTATION	No restrictions
INSTALLATION TORQUE	40-45 Nm Hex.22
TECH. SPEC. FOR CHARACTERIZATION	see page 807
OIL TESTING CONDITIONS	ISO VG 46 cSt
SEAL KIT CODE	SK.030 (standard sealing NBR-BUNA-N)
WEIGHT	0,060 kg

ORDERING CODE

C	V	C	5	·	S	0	8	·	0	*	·	0	0	0

VALVE BASIC CODE

CVF0= version with filtration

SIZE

3/4-16 UNF with Ø12,7 nose size

MARKING

0 = Standard factory marking. Customized marking can be done upon request.

000 = Standard configuration.

BIAS SPRING OPTIONS

Spring model code	Cracking pressure (bar)	Spring model code	Cracking pressure (bar)
Y	0,5	V	9,0
N	1,0	R	10,0
M	2,0	W	15,0
S	2,5		
B	3,0		
P	5,0		
I	7,0		
G	8,0		

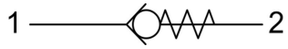
Specifications may change without notice.

CVC0.S10 VALVE SERIES

SAE10 Cartridge - 420 bar

Direct acting - Poppet type

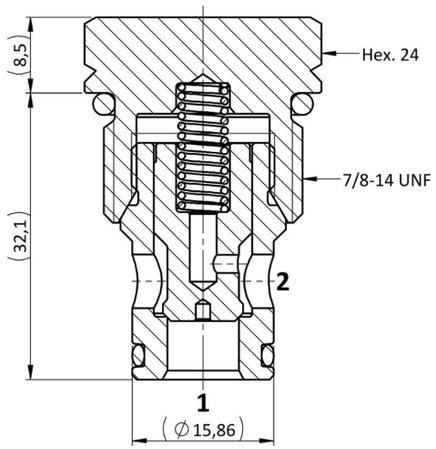
HYDRAULIC SYMBOL



DESCRIPTION

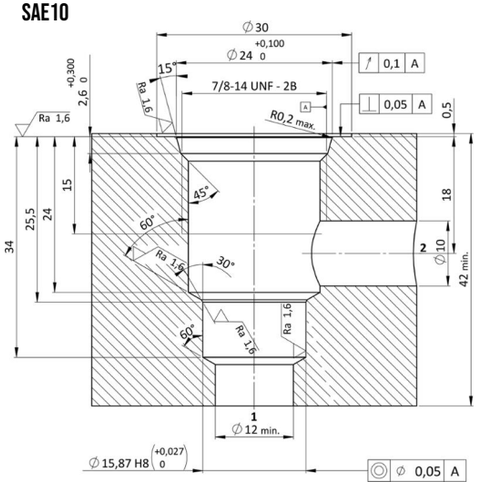
A screw-in, cartridge style, direct acting, poppet type check valve. Main use is as a blocking or load-holding device. The CVC0.S10 allows flow passage from port 1 to 2: the cartridge has a fully guided check which is spring-biased closed until sufficient pressure is applied at port 1 to open to 2. The flow is blocked in the opposite direction (2 to 1).

CROSS SECTION

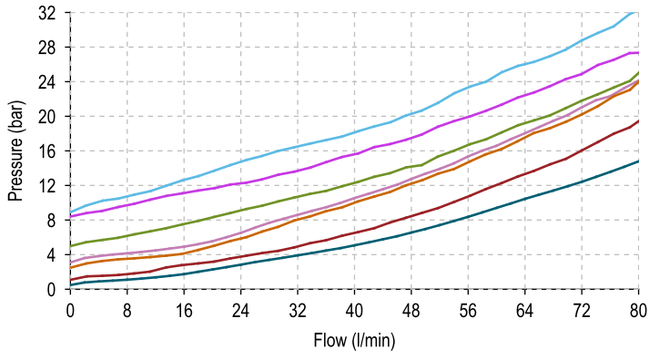


CAVITY

SAE10



PERFORMANCE DETAILS



NOTE

The performance chart illustrates flow handling capacity for significant spring bias options. p/Q curves are recorded at TOil = 40°C and 46 cSt.

LEGEND

- Spring Y
- Spring P
- Spring N
- Spring G
- Spring S
- Spring V
- Spring B

TECHNICAL DATA

MAXIMUM OPERATING PRESSURE	420 bar
MAXIMUM FLOW	80 l/min
CRACKING PRESSURE	see table below
MAXIMUM INTERNAL LEAKAGE	0,10 cm^3 / min @ 10 bar 0,10 cm^3 / min @ 420 bar
EXTERNAL COMPONENT TREATMENT	Zn/Fe - standard (96h) Zn/Ni (720h) (Upon customer request)
O-RING TEMPERATURE RANGE	-30° C to 110° C (standard sealing NBR - BUNA - N) -35° C to 140° C (HNBR - Upon customer request) -23° C to 225° C (FKM - Upon customer request)
OIL TEMPERATURE RANGE	-30° C to 110° C
FLUIDS	Mineral - based or synthetics with lubricating properties
VISCOSITIES	7,4 to 420 cSt
FILTRATION	20/18/15 ISO 4406 (maximum filtration admitted)
ORIENTATION	No restrictions
INSTALLATION TORQUE	55-65 Nm Hex.24
TECH. SPEC. FOR CHARACTERIZATION	see page 807
OIL TESTING CONDITIONS	ISO VG 46 cSt
SEAL KIT CODE	SK.032 (standard sealing NBR-BUNA-N)
WEIGHT	0,090 kg

ORDERING CODE

C	V	C	0	·	S	1	0	·	0	*	·	0	0	0

VALVE BASIC CODE

SIZE

7/8-14 UNF with Ø15,86 nose size

MARKING

0 = Standard factory marking. Customized marking can be done upon request.

000 = Standard configuration.

BIAS SPRING OPTIONS

Spring model code	Cracking pressure (bar)
Y	0,5
N	1,0
S	2,5
B	3,0
P	5,0
G	8,0
V	9,0

Specifications may change without notice.

Rev. 1