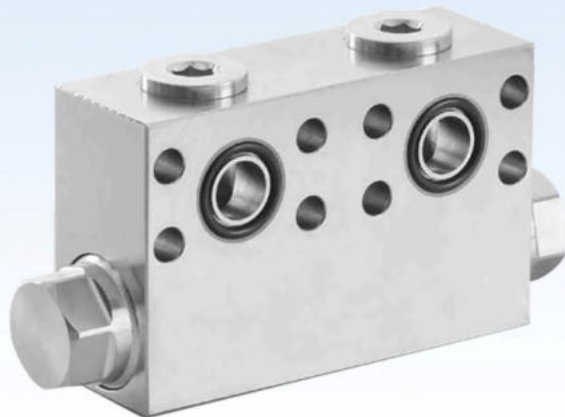


Circulation Valve for Bent Axis Motors

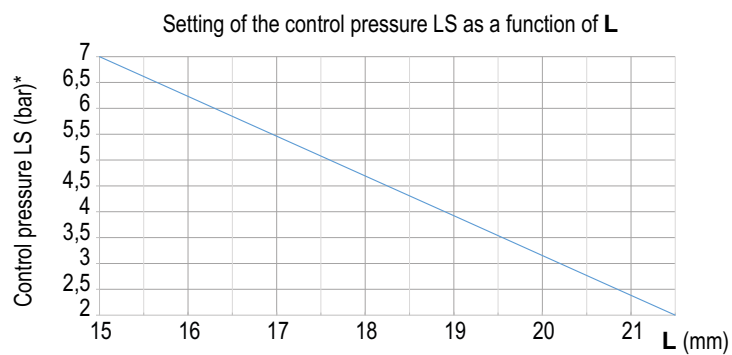
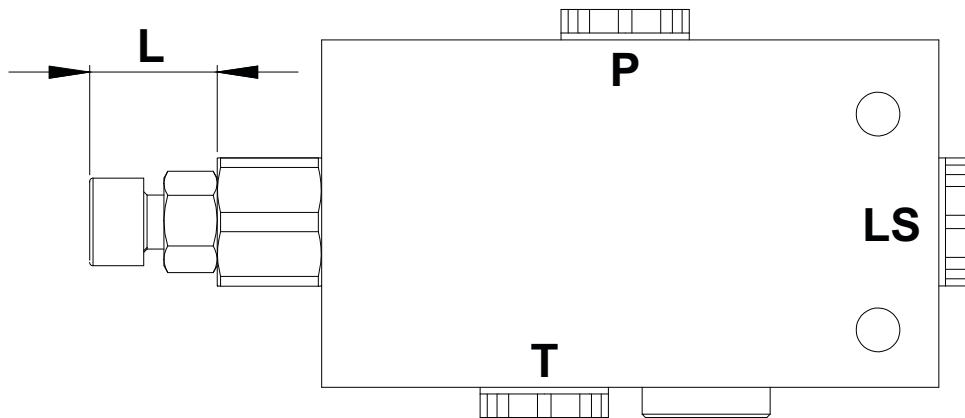
Circulation Valve for Hydraulic Bent Axis Piston Motors

Designation;
Circulation

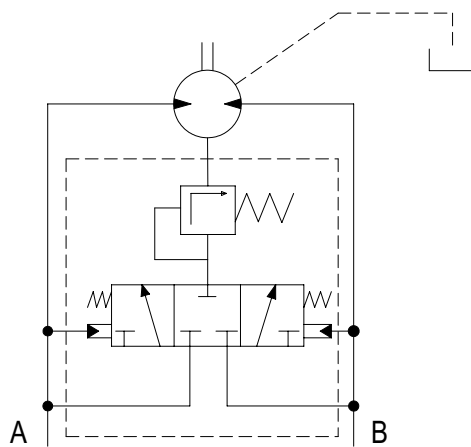
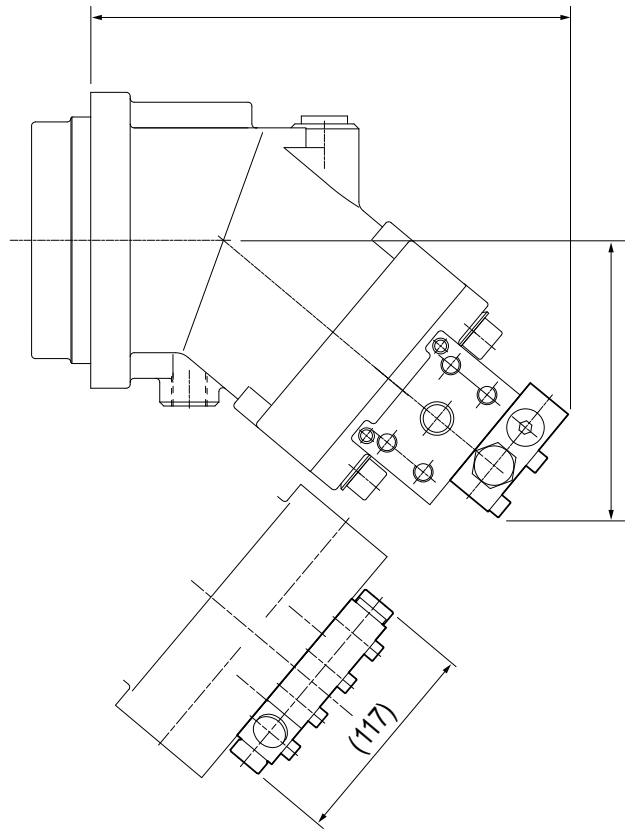


Hidrapac **Store**
www.HIDRAPAC.com.tr

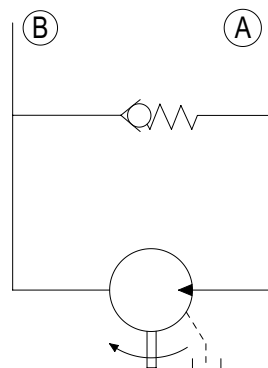
Circulation Valve for Bent Axis Motors



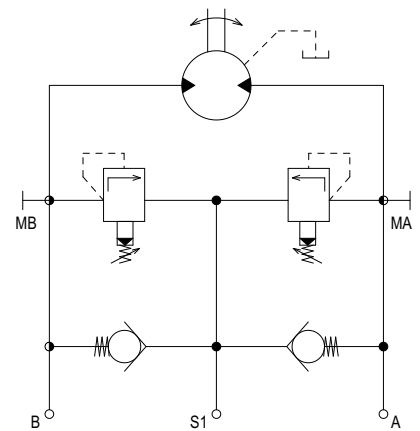
Anti-Cavitation Valve for Bent Axis Motors



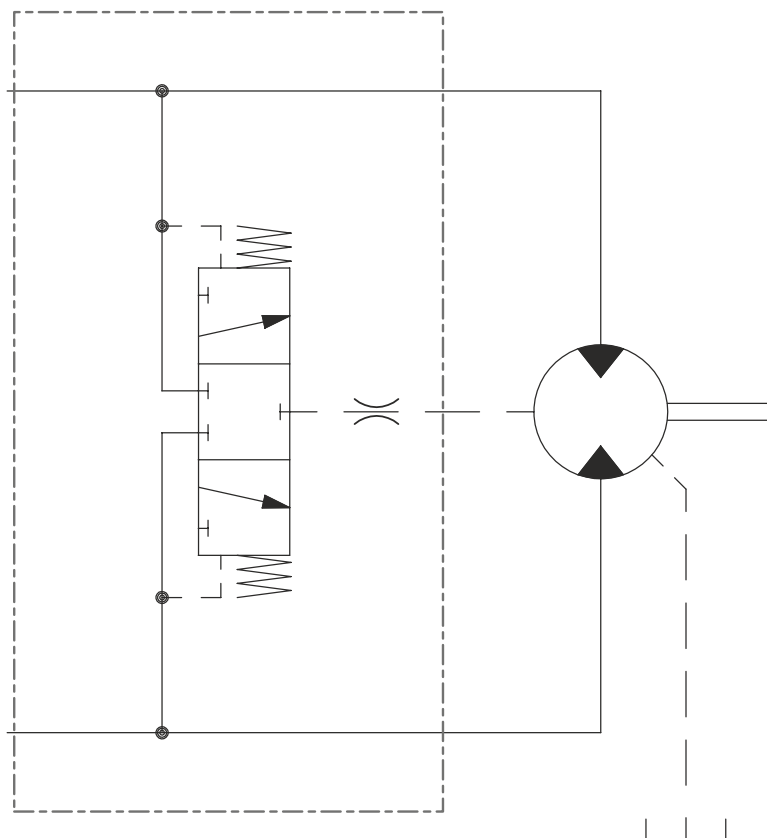
Anti-cavitation valve



Double pressure relief valve



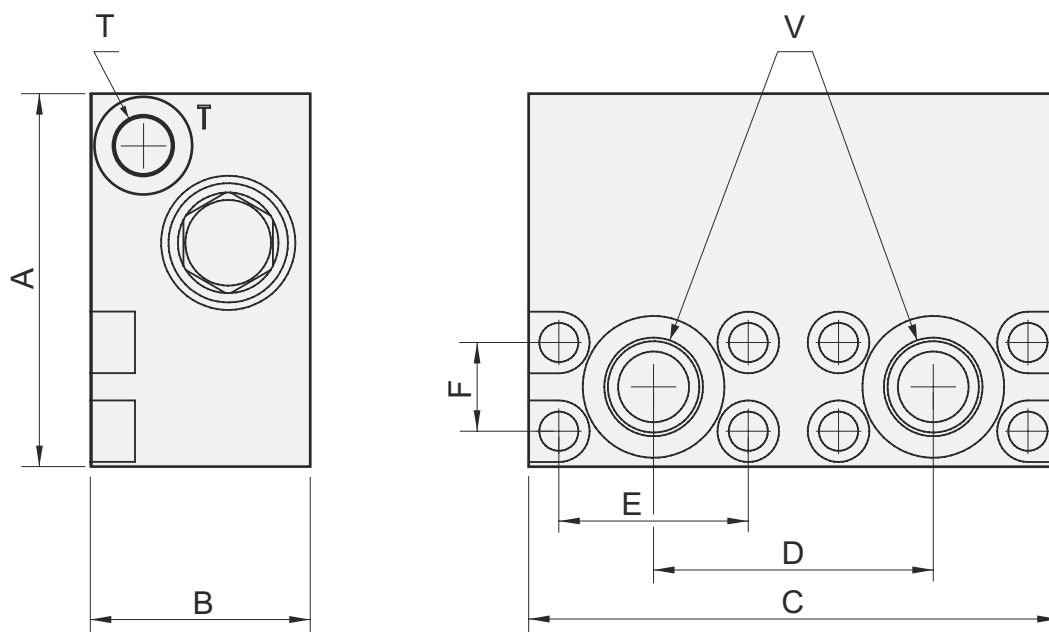
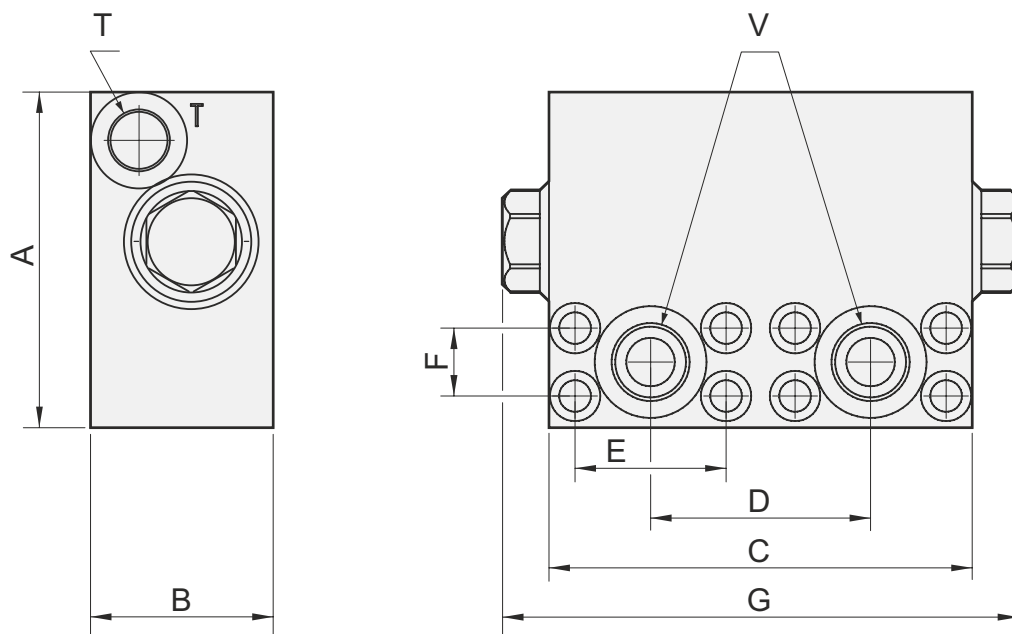
Anti-Cavitation Valve for Bent Axis Motors



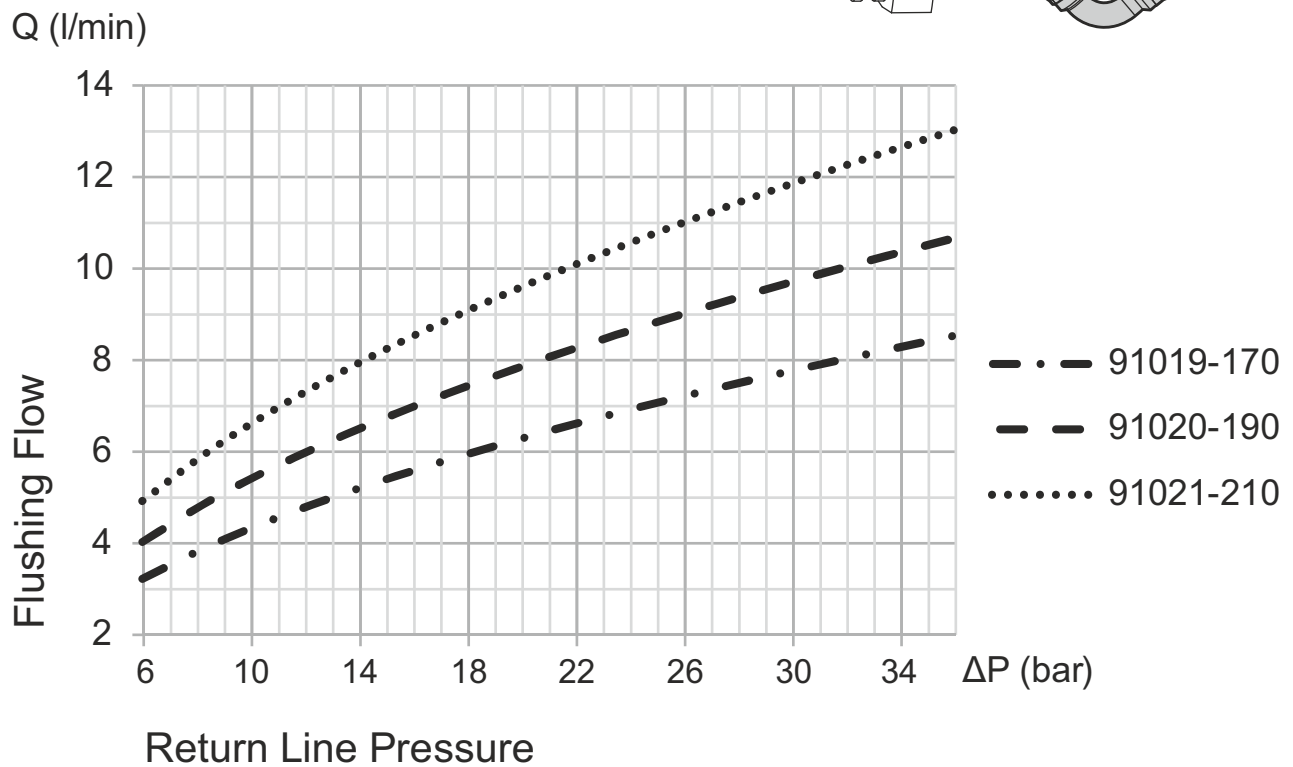
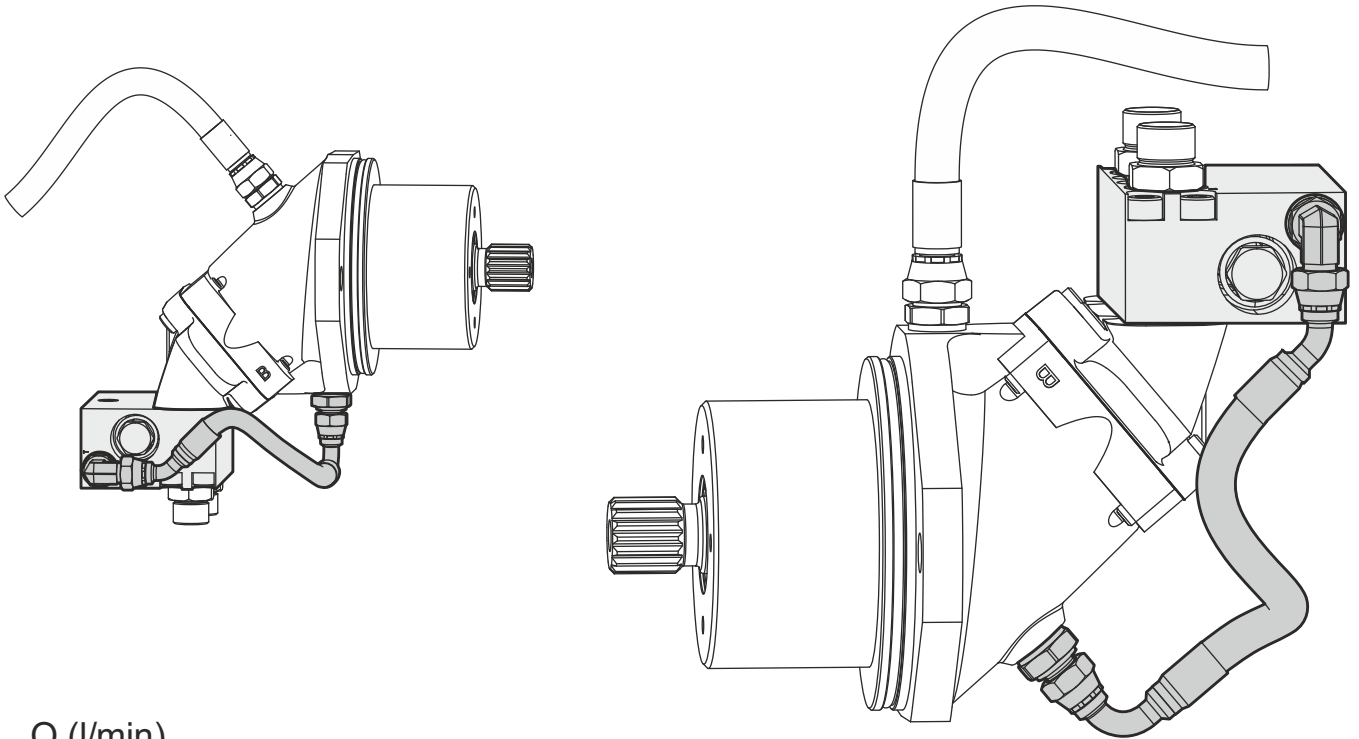
Dimension

Type	A	B	C	D	E	F	G	T	V
012-032	90	49	113.5	59	40.5	18.2	138.4	G 3/8"	G 1/2"
040-063	100	59	142	75	50.8	23.8	—		G 3/4"
080-130	108	59	160	84	57.2	27.8	—		G 1"

Anti-Cavitation Valve for Bent Axis Motors



Anti-Cavitation Valve for Bent Axis Motors



Anti-Shock Valve for Bent Axis Motors

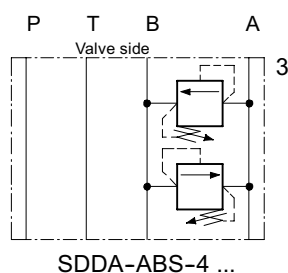
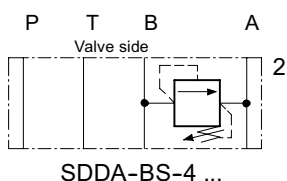
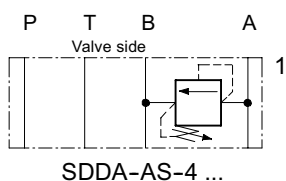
1. Description

Series SDDA ... S-4 units are stack mounting anti-shock cross-line relief valves which relieve A to B and/or B to A. They have fast response times, seat valves with near zero-leakage, and

they have the full flow rating of the size 2 range. The $\square$ 3 mm location pin on the actuator face of the valve prevents incorrect mounting. Valves are shipped

as standard with screw adjustment. Alternatively, they can be supplied with adjustment by hand knob, or lockable hand knob.

2. Symbols



3. Main characteristics

Designation		pressure relief slice valve
Design		direct acting seat valve
Mounting method		stack mounting
Size		ISO 4401-02-01 interface
Weight	kg	Model ...AS.../ ...BS...: 0,77/ Model ...ABS...:1,15
Mounting attitude		unrestricted
Flow direction		see symbols
Operating pressure range	bar	... 250 in P, A and B; ... 160 in T
Adjustment ranges	bar	code 25 = ... 250 code 16 = ... 160 code 10 = ... 100 code 04 = ... 040 code 02 = ... 020
Flow rate, Q max.	l/min	25
Fluids		HL and HLP hydraulic oils to DIN 51 524; for other fluids, please consult BUCHER
Fluid temperature range	°C	-25 ... +80
Ambient temperature	°C	-25 ... +80

Replaces: D-6.60

1/4

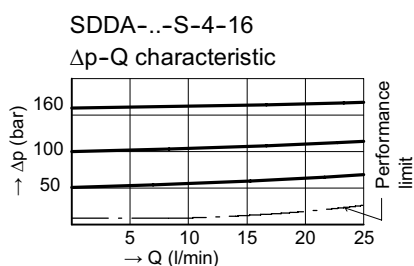
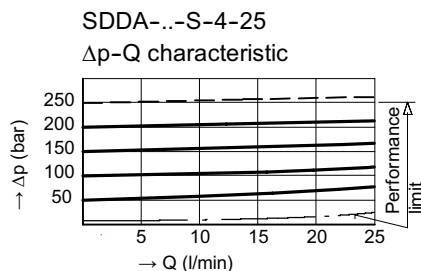
Classification: 430.10.62.10

Reference: 400-P-300101-EN-/09.2015

Anti-Shock Valve for Bent Axis Motors

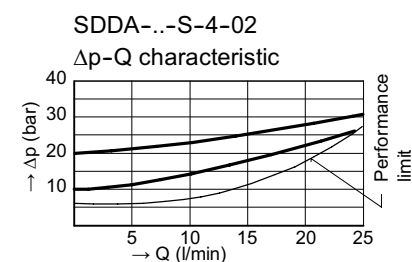
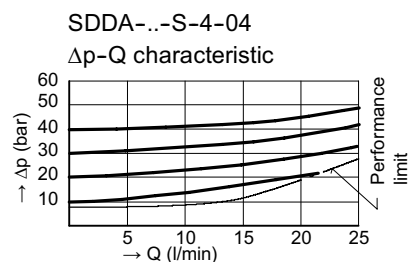
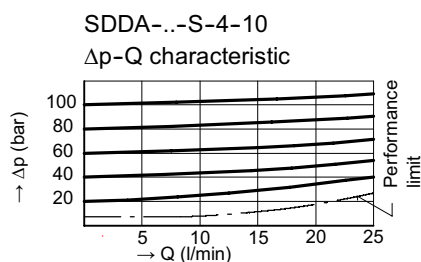
4. Performance graphs

Measured with oil viscosity 33 mm²/s (cSt)

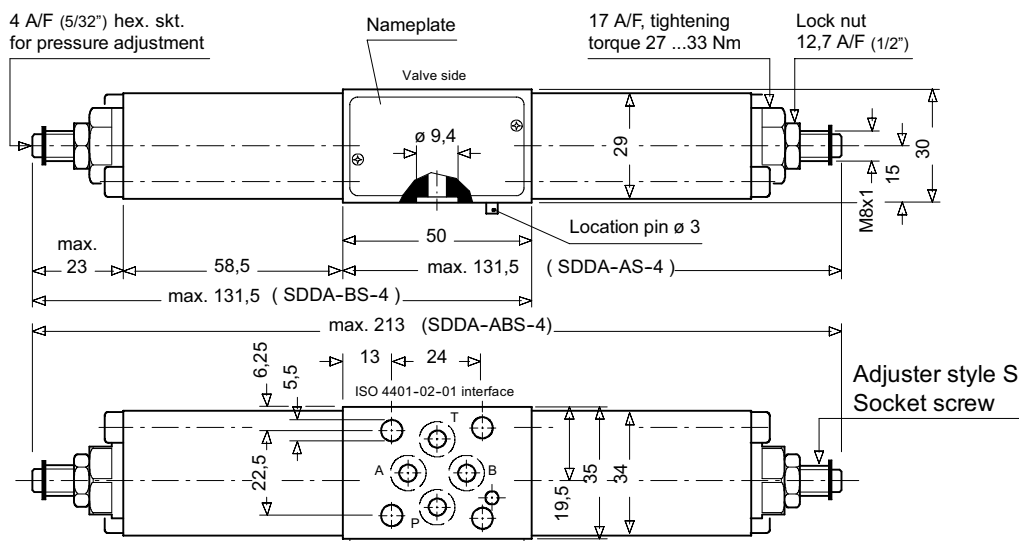


Rate of pressure change when turning the adjusting screw:

SDDA-...S-4-25: 1 turn	≅ app. 45 bar
SDDA-...S-4-16: 1 turn	≅ app. 30 bar
SDDA-...S-4-10: 1 turn	≅ app. 18 bar
SDDA-...S-4-04: 1 turn	≅ app. 6 bar
SDDA-...S-4-02: 1 turn	≅ app. 2,5 bar

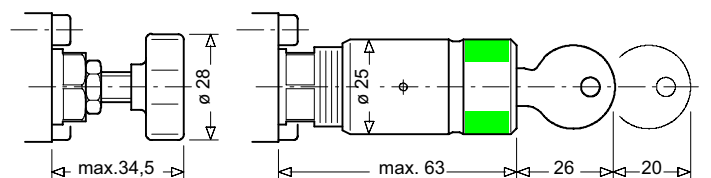


5. Dimensions



Adjuster styles / OPTIONAL

Conversion kit for styles S, H and Z5 - see related data sheets



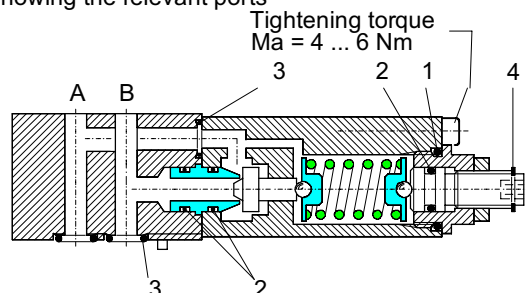
Adjuster style H
Hand knob

Adjuster style Z5, lockable hand type 2H.

Anti-Shock Valve for Bent Axis Motors

6. Schematic section

showing the relevant ports



Seal kit no. DS-212, comprising *):

Itm.	Qty.	Qty.	Description	Size
1	2*)	1	O-ring no. 016	□ 15,60 X 1,78 N90
2	6*)	3	O-ring no. 009	□ 5,28 x 1,78 N90
3	6*)	5	O-ring no. 010	□ 6,07 x 1,78 N90
4	2*)	1	Snap ring	Type SS □7

SDDA-AS/BS-4
SDDA-ABS-4

7. Installation and servicing

All installation and servicing must be carried out with care, and by qualified personnel only. At installation, be sure to mount the valve the correct way up.

Do not confuse the flat surface (directional valve side) and the surface with O-ring counterbores (actuator side). When changing seals, the new seals

should be thoroughly oiled or greased before fitting them to the valve. Use the correct tightening torques when fitting the threaded housing and cap screws.

8. Ordering code

Ex.

S	D	D	A	-	AB	S	-	4	-	25	-	S	-	-	-	1
---	---	---	---	---	----	---	---	---	---	----	---	---	---	---	---	---

- S = stacking valve
- D = pressure relief function
- D = direct acting
- A ... Q = standard model per current data sheet
- Z ... R = special features by arrangement
- A = relief function A to B
- B = relief function B to A
- AB = relief function A to B and B to A
- S = anti-shock, cross-line function
- 4 = ISO 4401-02-02 interface
- 25 = pressure range ... 250 bar
- 16 = pressure range ... 160 bar
- 10 = pressure range ... 100 bar
- 04 = pressure range ... 40 bar
- 02 = pressure range ... 20 bar
- S = with hex. skt. screw adjuster (standard)
- H = with hand knob adjuster type H
- Z = with lockable hand knob adjuster type Z5
- (Blank) = Nitrile seals (standard)
- Z = Viton seals
- For special seals, please consult BUCHER
- 1 ... 9 = design number (omit when ordering)

9. Related data sheets

Old no.	New no.	
i - 17.00	400-P-015101-E	Procedure for changing the Adjuster Style
i - 30	400-P-030101-E	ISO 4401-02-01 interface

Hydraulic Pumps



K2FA (DIN)

BENT AXIS PISTON PUMPS



K2FL (DIN)

ALUMINUM BODY
BENT AXIS PISTON PUMPS



A2FD (DIN)

DUAL FLOW
BENT AXIS PISTON PUMPS



A2FO (ISO)

BENT AXIS PISTON PUMPS



A2FS (SAE)

BENT AXIS PISTON PUMPS



AXVP Series

VARIABLE DISPLACEMENT
PISTON PUMPS



A3PP Series

AXIAL PISTON PUMPS



A3PH Series

HIGH PRESSURE
PISTON PUMPS



ByPass Valve

FOR
BENT AXIS PISTON PUMPS



LS Adapters

FOR
VARIABLE PISTON PUMPS

Hydraulic Motors



K2FM (DIN)

BENT AXIS PISTON MOTORS



A2FM (ISO)

BENT AXIS PISTON MOTORS



A2MS (SAE)

BENT AXIS PISTON MOTORS



A2FE (FixedPlug)

BENT AXIS PISTON MOTORS



Anti Cavitation

VALVE
BENT AXIS PISTON MOTORS

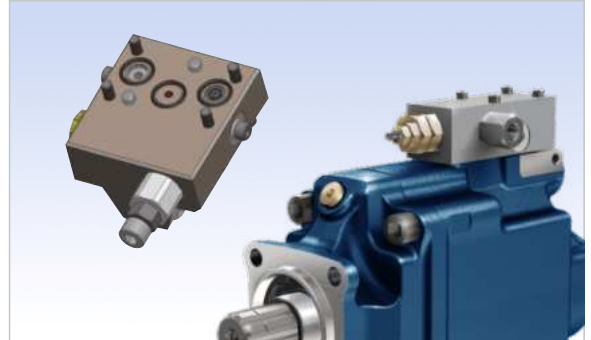
ByPass Valve

for Bent Axis Piston Pumps



LS Adapter

for Variable Displacement Piston Pump



Suction Fittings

for Bent Axis Piston Pumps



Flushing Valve

for Bent Axis Piston Motors



Adapter

for Bent Axis Piston Pumps



Flange, Couplar

for Bent Axis Piston Pumps



Hydraulic Pumps, Hydraulic Motors

Bent Axis Hydraulic Piston Pumps, Bent Axis Piston Motors,
Dual Flow Hydraulic Piston Pumps, Variable Displacement Piston Pumps,
High Pressure Piston Pumps, Straight Axial Piston Pumps..



Address;

HIDRAPAC HYDRAULIC PUMP & MOTORS

Address; (PRODUCTION)

Fevzicakmak Mah. Sila Cad. Kobisan 3 San. Sit.
No: 73 / C Karatay – Konya, PO Code; 42050, Turkiye

Address; (ASSEMBLE, SHIPMENT)

Fevzicakmak Mah. Sila Cad. Kobisan 3 San. Sit.
No: 71 / AD Karatay – Konya, PO Code; 42050, Turkiye

Phone; +90 551 111 77 44