MONOBLOCK VALVE

KVM 05

KV M 05

General Features

Standard Material Specifications

- High strength cast iron
- Hard chrome plated interchangable spools
- Steel spring caps
- Aluminium lever caps
- NBR seals

Standard Features

- Parallel circuit
- Adjustable main relief valve
- Sinlge - Double action

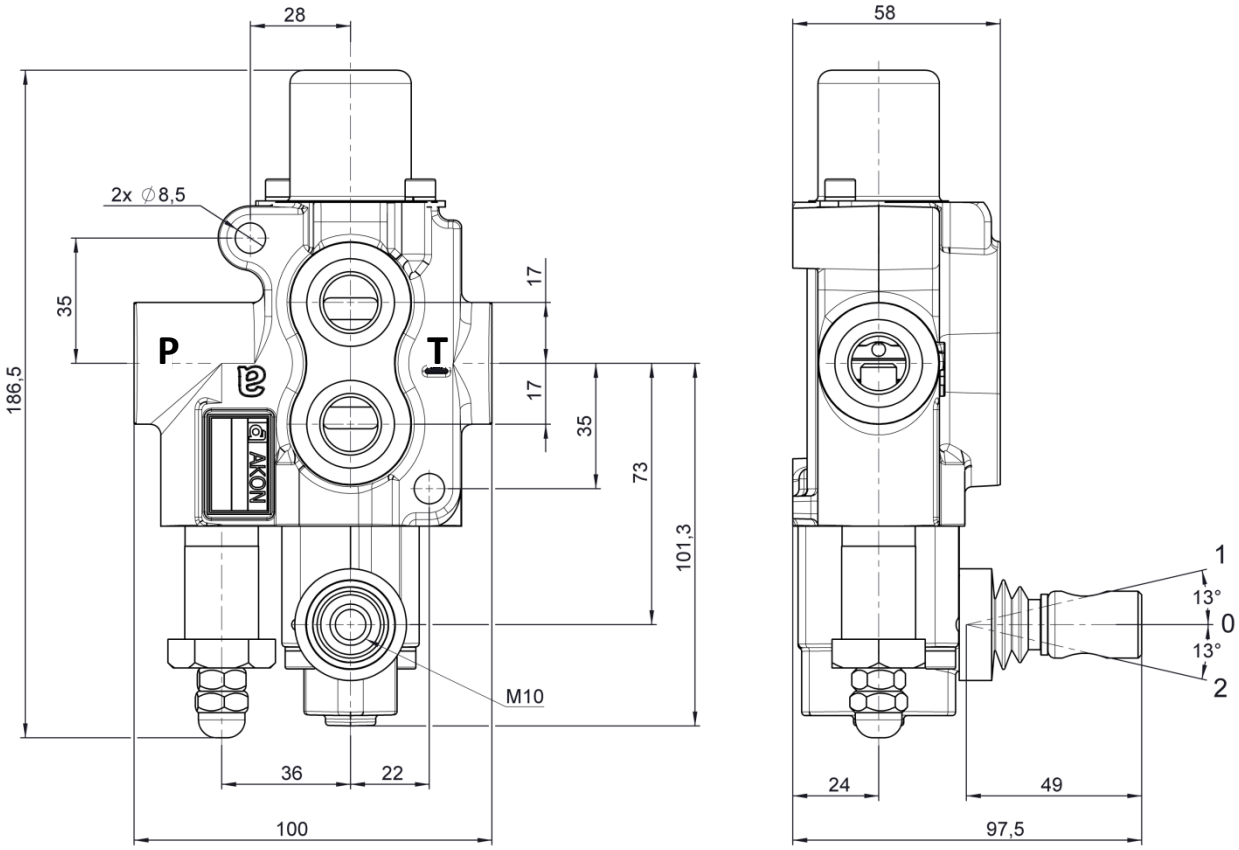
Technical Specifications

Number of spools	**1**
Nominal flow	**35lt/min**
Max. Operating pressure	**350 Bar**
Max. Back pressure	**30 Bar**
Internal leakage (at 100 Bar; 32 cSt, 40˚C)	**4 to 9 cc/min**
Weight	**2,40 kg**

Working Conditions

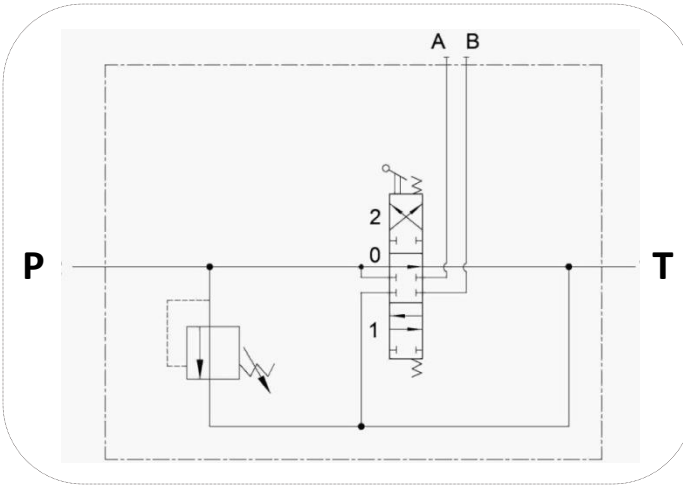
Recommended oil viscosity range	**32 cSt**
Recommended oil filtering	**β 10 ≥ 75**
Recommended fluid temperature range	**-20 to +80**
Environmental temperature range	**-35 to +60**
Max. Contamination level	**Class 9 (NAS 1638)** **19/16 (ISO 4406)**

Dimensional Data



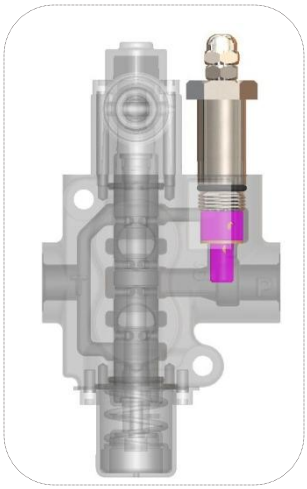
Standard Threads			
CODE	P	A/B	T
A	G 3/8	G 3/8	G 3/8

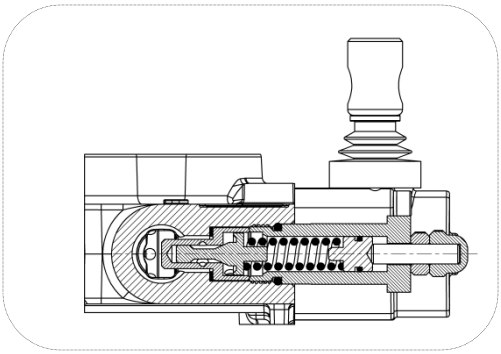
Hydraulic Circuit

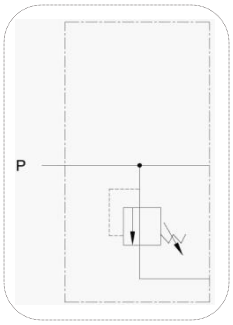


NO CODE

Main Relief Valve

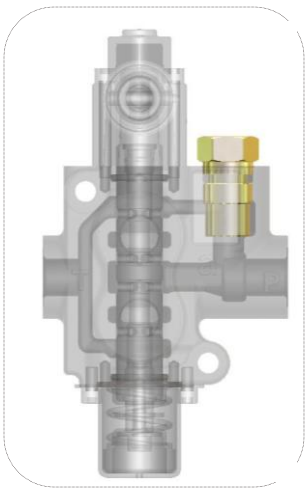


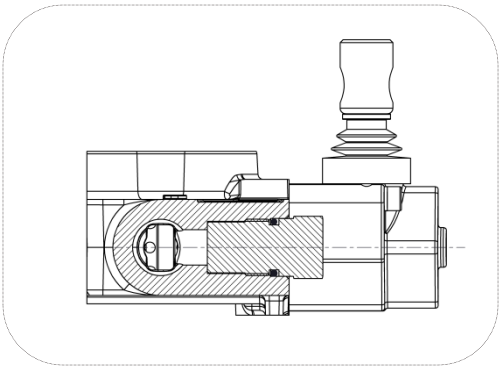


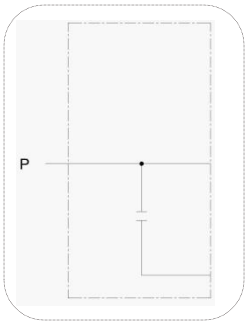


CODE : R

No Main Relief Valve

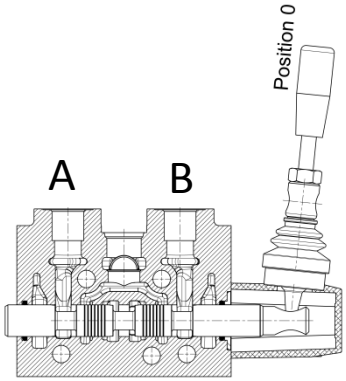






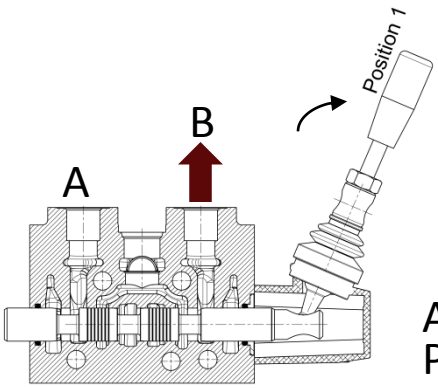
CODE : Y

Spool Control Positions



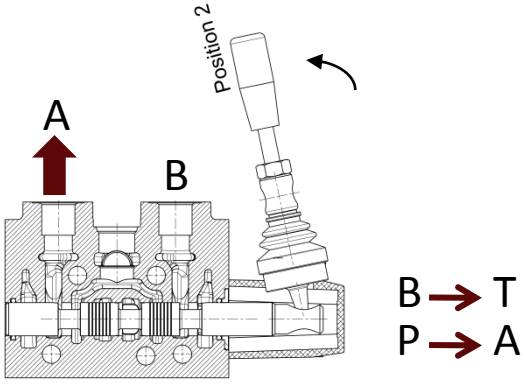
Spool-neutral position;

POSITION 0



Spool-out position;

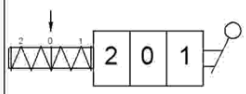
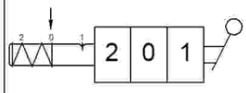
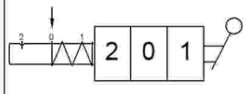
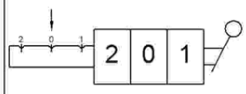
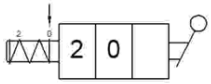
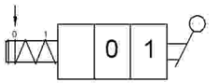
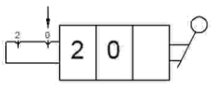
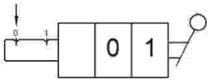
POSITION 1

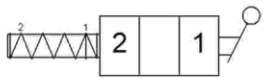
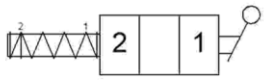
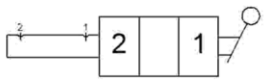
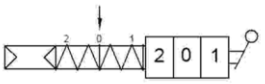
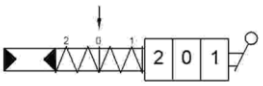
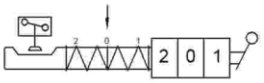
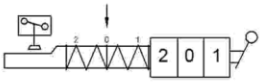
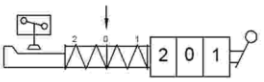
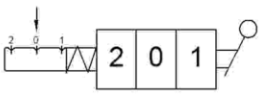
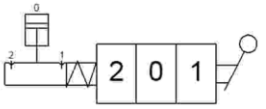


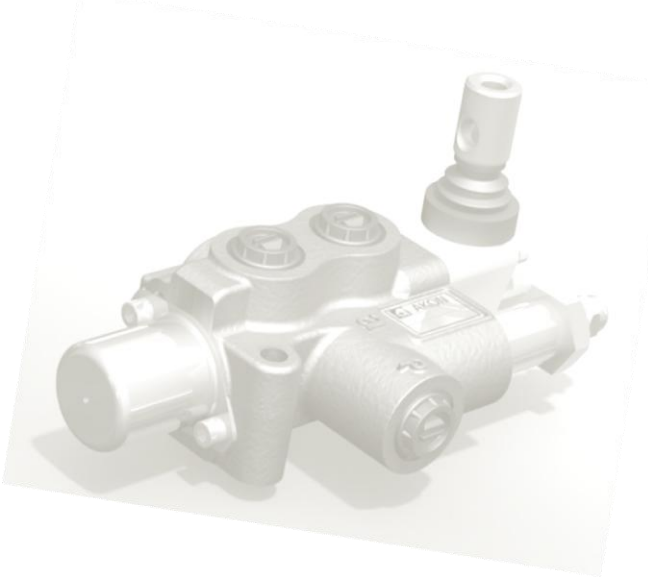
Spool-in position;

POSITION 2

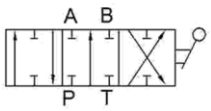
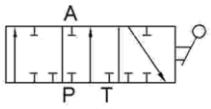
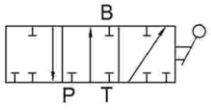
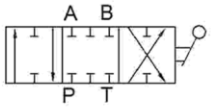
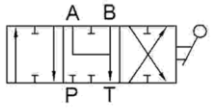
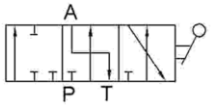
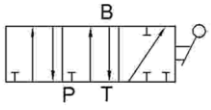
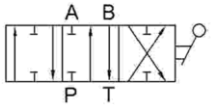
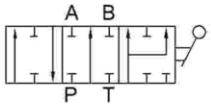
Spool Controls Coding For KVM05

SC1		3 positions spring centered
SC2		3 positions spring centered, detent in 1st position
SC3		3 positions spring centered, detent in 2nd position
SC4		3 positions , detent in all positions
SC5		2 positions spring centered
SC6		2 positions spring centered
SC7		2 positions, detent in both positons
SC8		2 positions , detent in both positions

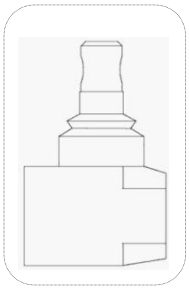
SC11		2 positions spring centered in 1st position
SC12		2 positions spring centered in 2nd position
SC13		2 positions , detent in both positions
SC15		3 positions pneumatic control
SC16		3 positions hydraulic control
SC18		3 positions microswitch operated in both positions
SC19		3 positions microswitch operated in 1st position
SC20		3 positions microswitch operated in 2nd position
SC28		3 positions, spring centered and detent with spring in all positions
SC29		Hydraulic Kick-out



Spool Types Coding For KVM 05

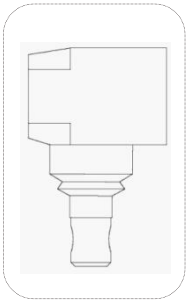
ST1		3 position Double acting spool
ST2		3 position Single acting on A side
ST3		3 positon Single acting on B side
ST4		3 position Closed center spool
ST11		3 position Double acting spool A and B to tank
ST5		3 position Single acting spool A open to tank
ST6		3 position Single acting spool B open to tank
ST7		3 position Double acting spool A to tank, B blocked
ST8		3 position Double acting spool B to tank, A blocked
ST12		3 position Double acting spool P open to A and B in 2nd position

Lever Types Coding For KVM 05



NO CODE

Standard Lever

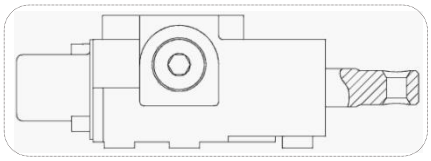


CODE : K1

Reverse Lever

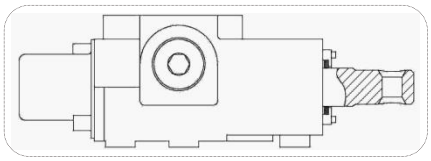
CODE : K2

No Lever



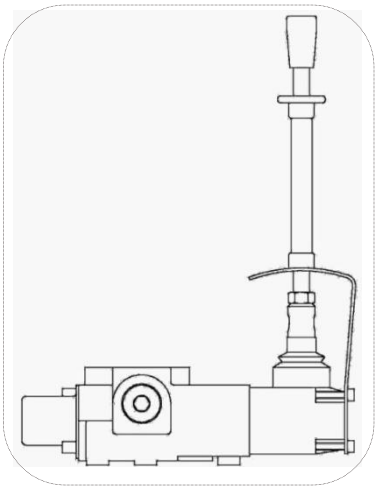
CODE : K3

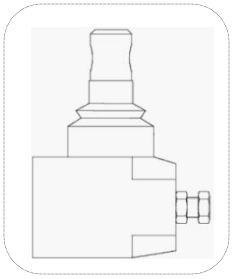
Without Lever with dustproof plate



CODE : K4

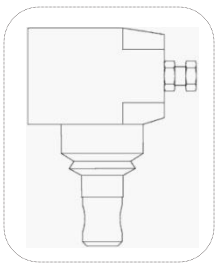
Safety Lever





CODE : K5

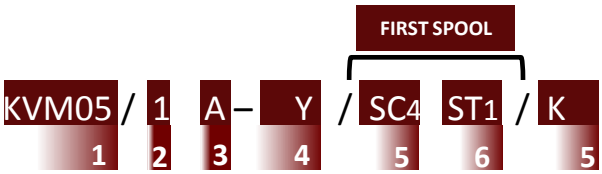
With Spool Limiter



CODE : K6

Reverse Lever with Spool Limiter

AN ORDERING EXAMPLE



1	**Valve Type**	KVM 05
2	**Number Of Spools**	1
3	**Port Threads (P, A/B, T)**	A : G 3/8
4	**Main Relief Valve**	Y : Without main relief valve
		R : With main relief valve (indicate pressure setting)
5	**Spool Controls and Actuators**	See page 6
6	**Spool Types**	See page 7
7	**Lever Types**	See page 8