

MB-2 MONOBLOCK VALVE



MB-2 HANDSTEUERVENTIL

HYDROMOT
Hydraulic solutions.

Inhaltsverzeichnis MB-2 | Contents MB-2

Technische Daten	3
Technical Data	
Installationshinweis	3
Mounting Instruction	
Prinzipieller Aufbau	4
Basic Construction	
Einlassventil	4
Inlet Relief	
Schaltbilder	6
Spool Options	
Positionierer B	7-9
B Side Spool Positioners	
Positionierer A	10-11
A Side Spool Positioners	
Einbaumaße	12
Dimension	
Leistungskurve	13
Performance Chart	
Bestellinformation	14
Order Information	

Handsteuerventile MB-2

- kompakte Bauweise
- geringe Druckverluste
- hohe Lebensdauer und Wirtschaftlichkeit
- verschiedene Anschlussmöglichkeiten und Kreislaufsteuerungen
- langanhaltende Steuerungspräzision

Monoblock Valve MB-2

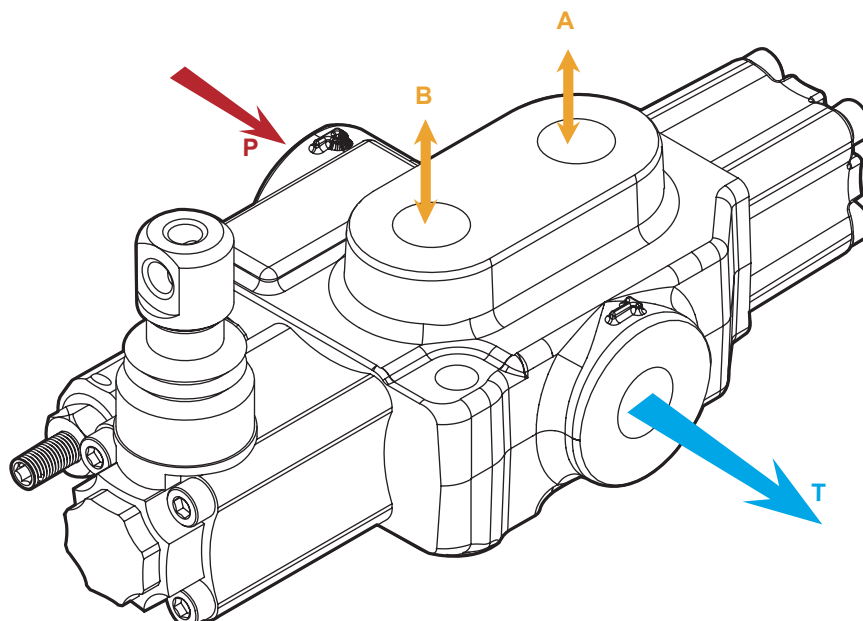
- compact construction
- low pressure drop
- long service life and efficiency
- various ports and curcuits
- long term accuracy



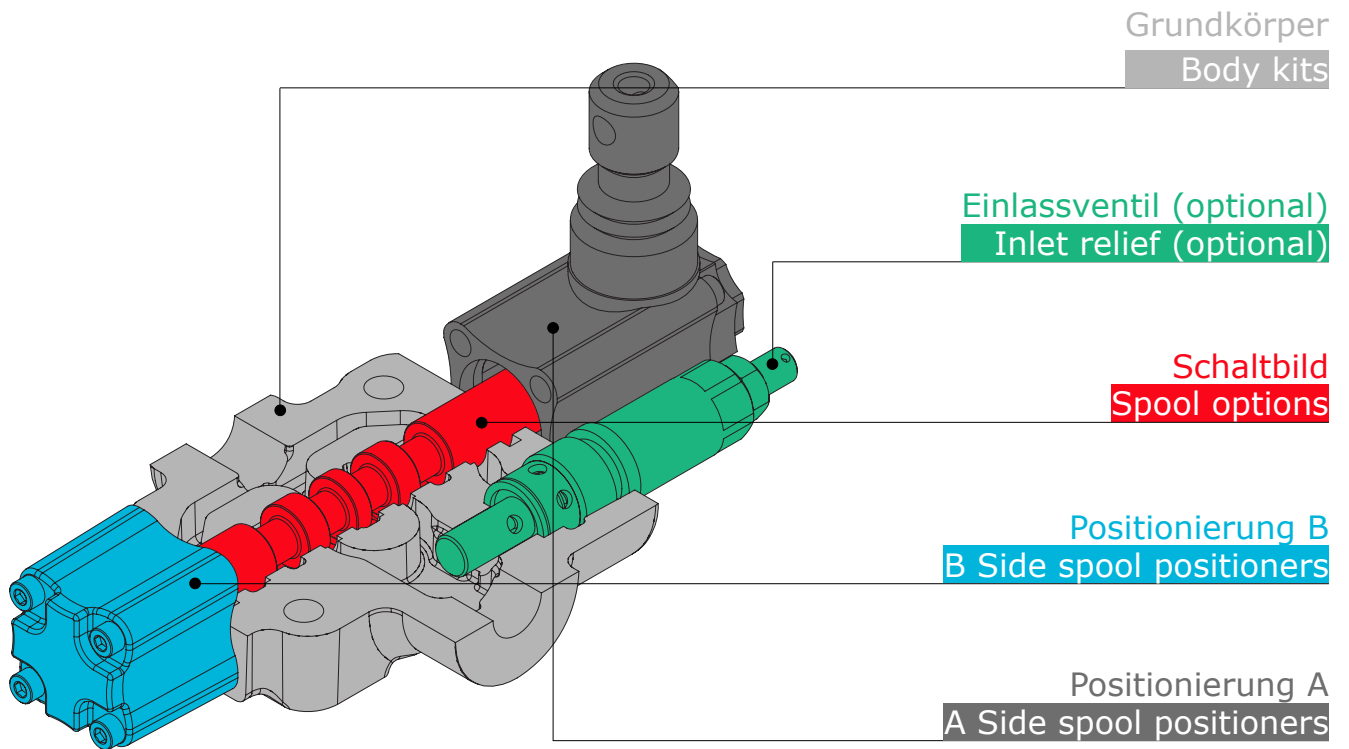
Technische Daten | Technical Data

Volumenstrom [l/min] Flow rate		45
Max. Arbeitsdruck [bar] Max. Operating pressure		250
Max. Gegendruck an Tankanschluss T [bar] Max. Back pressure on outletport T		25
Temperaturbereich Einsatzmittel [°C] Fluid temperature range	NBR (BUNA-N) Dichtung NBR (BUNA-N) seal	-20 bis 80 -20 to 80
	FPM (Viton) Dichtung FPM (Viton) seal	-20 bis 100 -20 to 100
Viskosität [mm²/s] Viscosity	Arbeitsbereich Operating range	15 bis 75 15 to 75
	Min.	12
	Max.	400
Umgebungstemperatur [°C] Ambient temperature		-40 bis 60 -40 to 60

Installationshinweis | Mounting Instruction



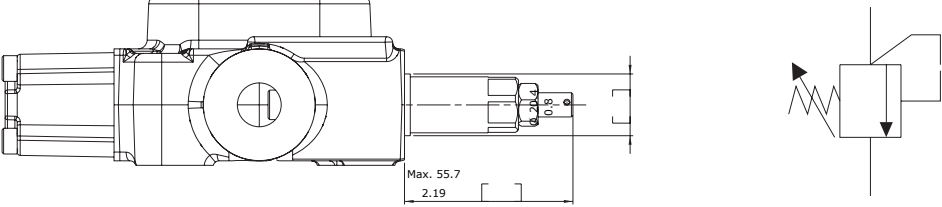
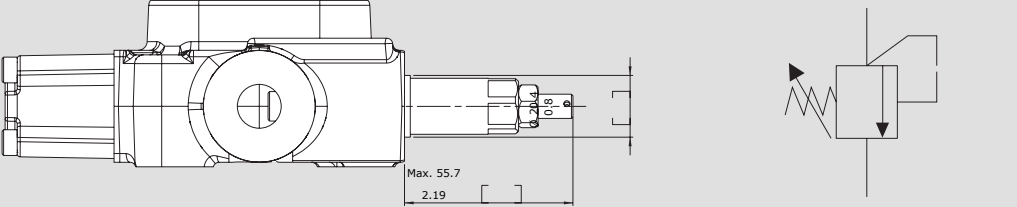
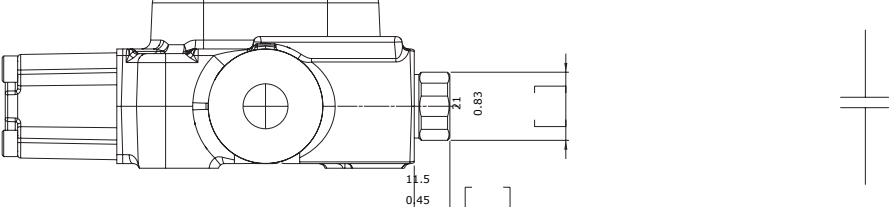
Prinzipieller Aufbau | Basic Construction




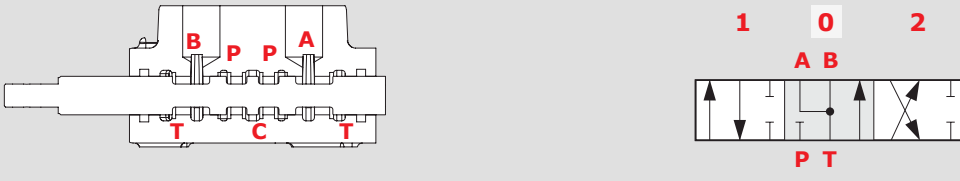

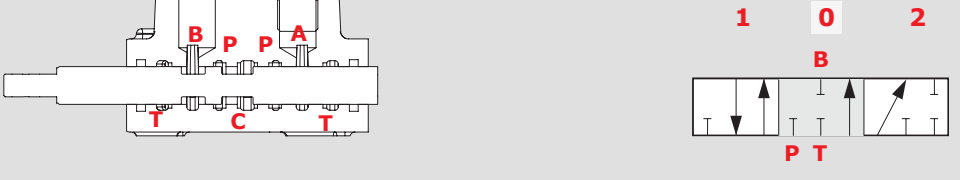
Grundkörper | Body Kits

Typ Type	Beschreibung Description
1S	1 Sektion 1 Section



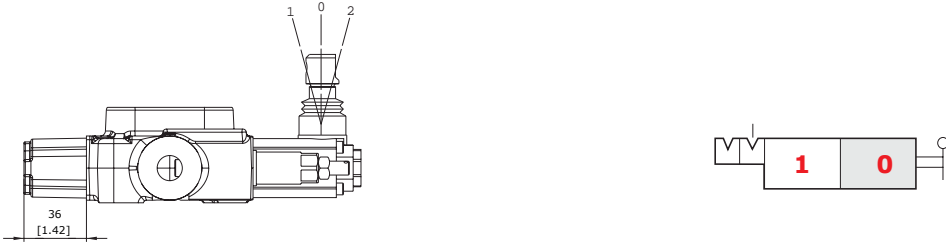
Einlassventil | Inlet Relief

Typ Type	Beschreibung Description
3	Arbeitsbereich von 63 bis 200 Bar, Standardeinstellung 120 Bar Range 63 to 200 Bar, standard setting 120 Bar
	
4	Arbeitsbereich von 160 bis 315 Bar, Standardeinstellung 220 Bar Range 160 to 315 Bar, standard setting 220 Bar
	
VS	Verschlussstopfen Blanking plug
	


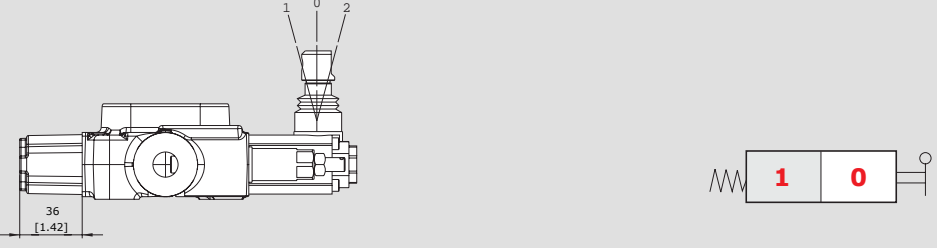

Schaltbilder | Spool Options

Typ Type	Beschreibung Description
1	3 Positionen, doppelwirkend, A-B-P-T geschlossen in Nullstellung 3 Positions, double acting, with A-B-P-T closed in neutral position
	
2	3 Positionen, doppelwirkend, A-B-T verbunden in Nullstellung, P geschlossen 3 Positions, double acting, with A-B open to T in neutral position, P closed
	
3	3 Positionen, einfachwirkend an A, A-P-T geschlossen, B verschlossen 3 Positions, single acting on A, A-P-T closed in neutral position, B plugged
	
4	3 Positionen, einfachwirkend an B, B geschlossen, A verschlossen 3 Positions, single acting on B, B closed in neutral position, A plugged
	


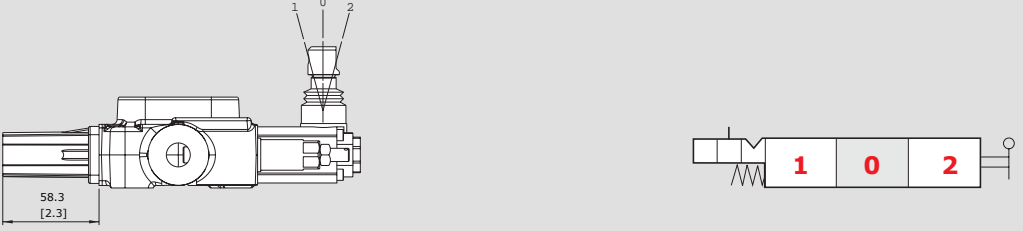

Positionierer B | B Side Spool Positioners

Typ Type	Beschreibung Description
6-1	3 Positionen, Rastung in Pos. 1-0-2, ohne Federzentrierung 3 Positions, detent in pos. 1-0-2, without spring centered
	
6-2	2 Positionen, Rastung in Pos. 0-2, ohne Federzentrierung 2 Positions, detent in pos. 0-2, without spring centered
	
6-3	2 Positionen, Rastung in Pos. 1-0, ohne Federzentrierung 2 Positions, detent in pos. 1-2, without spring centered
	

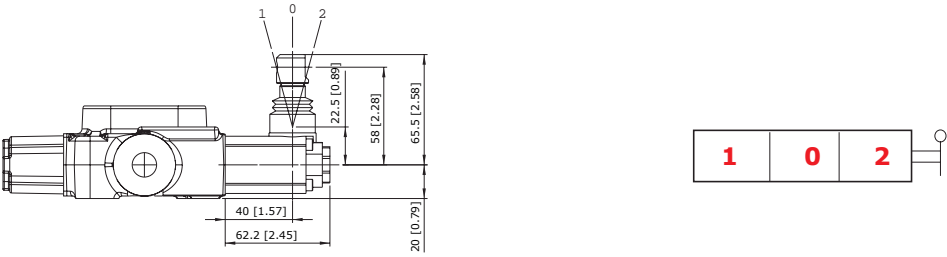
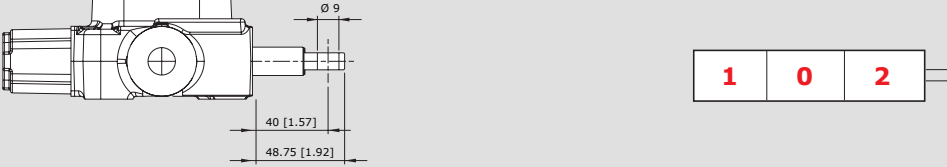

Positionierer B | B Side Spool Positioners

Typ Type	Beschreibung Description
8	3 Positionen, Federzentrierung zur Neutralstellung 3 Positions, spring return to neutral
	
8-1	2 Positionen, Federzentrierung zur Neutralstellung 2 Positions, spring return to neutral
	
8-2	2 Positionen, Federzentrierung zur Neutralstellung 2 Positions, spring return to neutral
	

Positionierer B | B Side Spool Positioners

Typ Type	Beschreibung Description
9-1	3 Positionen, Rastung in Pos. 1-2, Federzentrierung 3 Positions, detent in pos. 1-2, spring centered
	
9-2	3 Positionen, Rastung in Pos. 2, Federzentrierung 3 Positions, detent in pos. 2, spring centered
	
9-3	3 Positionen, Rastung in Pos. 1, Federzentrierung 3 Positions, detent in pos. 1, spring centered
	

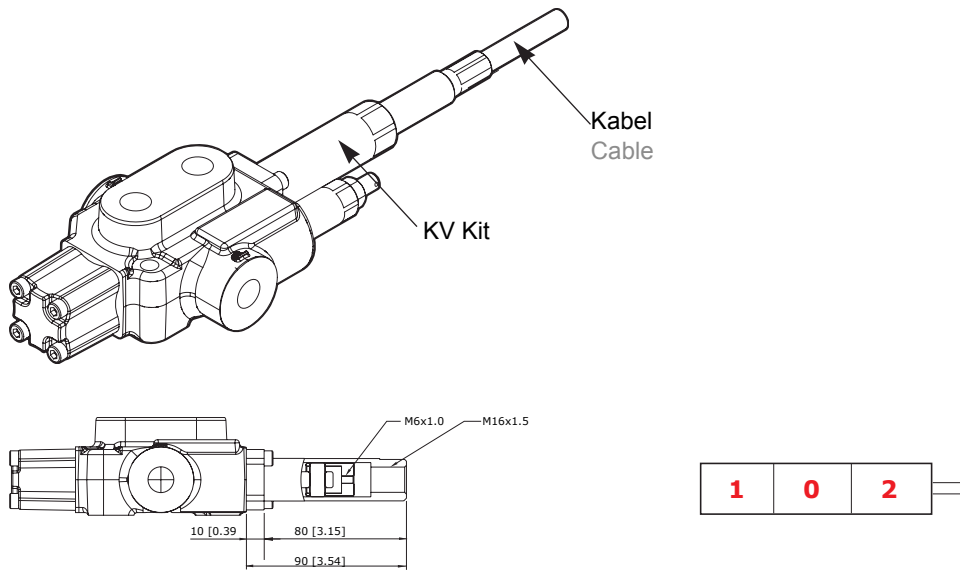
Positionierer A | A Side Spool Positioners

Typ Type	Beschreibung Description
L	Standardhandhebel Standard lever box
 <p>Technical drawing of the standard lever box (L) showing dimensions and a 1-0-2 spool configuration. Dimensions include: 40 [1.57], 62.2 [2.45], 20 [0.79], 58 [2.28], 65.5 [2.58], 122.5 [0.89], 9 [0.35], and Ø 9. The spool configuration is 1 0 2.</p>	
SL	Ohne Handhebel Without any cover
 <p>Technical drawing of the lever box without a cover (SL) showing dimensions and a 1-0-2 spool configuration. Dimensions include: 40 [1.57], 48.75 [1.92], and Ø 9. The spool configuration is 1 0 2.</p>	
SPL	Staubschutzplatte, ohne Handhebel With dust-proof plate
 <p>Technical drawing of the lever box with a dust-proof plate (SPL) showing dimensions and a 1-0-2 spool configuration. Dimensions include: 9 [0.35], 40 [1.57], 48.75 [1.92], and Ø 9. The spool configuration is 1 0 2.</p>	

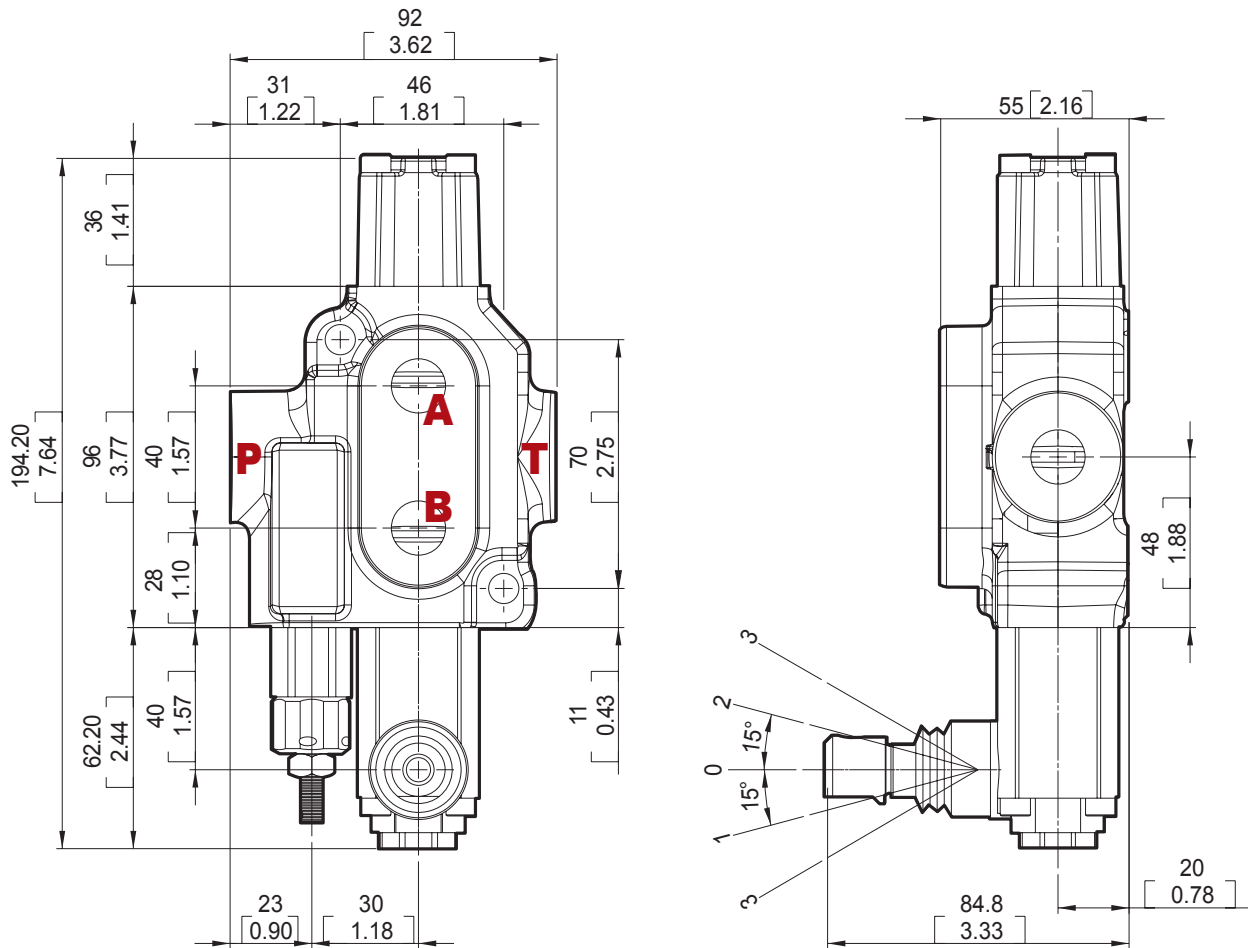
Positionierer A | A Side Spool Positioners

Typ Type	Beschreibung Description
-------------	-----------------------------

KV	Flexible Kabelverbindung (beinhaltet keine Kabel) Flexible cable connection (not include cable)
-----------	--

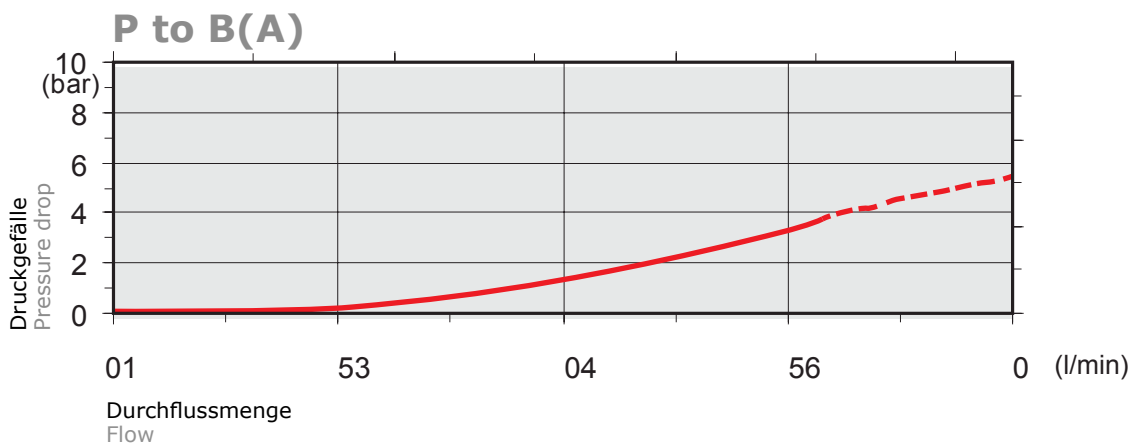
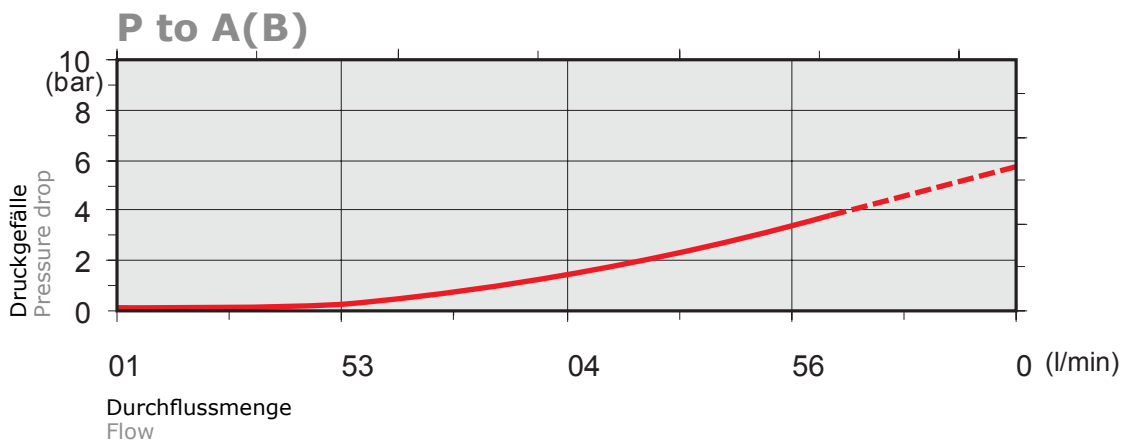
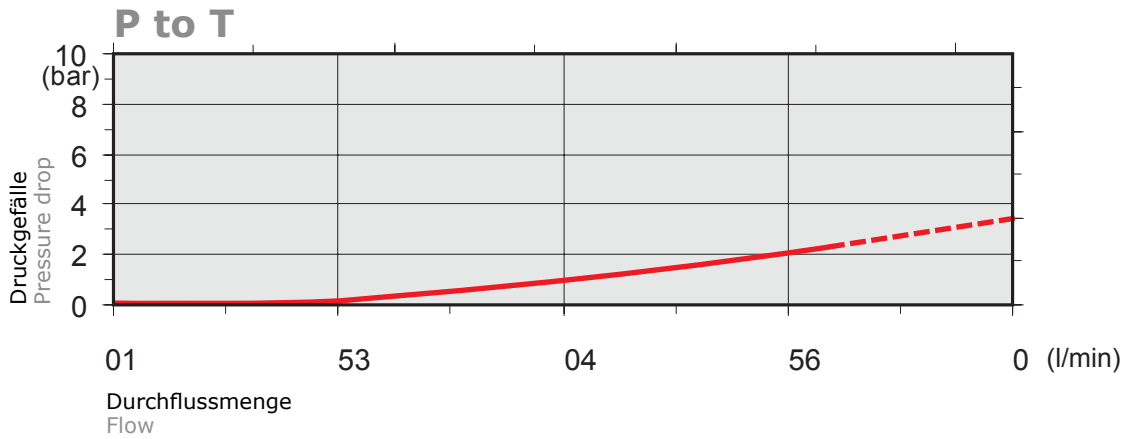


Einbaumaße MB-2 | Dimensions MB-2



Anschlüsse Ports	P	A / B	T
BSP (Standard)	G3/8	G3/8	G3/8
UN-UNF	3/4-16 UNF-2B (SAE 8)	3/4-16 UNF-2B (SAE 8)	3/4-16 UNF-2B (SAE 8)
Metrisch Metric	M18x1.5	M18x1.5	M18x1.5

Leistungskurve MB-2 | Performance Curve Chart MB-2



Bestellinformation MB-2 | Order Information MB-2

MB-2	/	1	-	2	/	3	4	5	/	6
Pos. 1	Grundkörper Body kits									
1S	1 Sektion 1 Section									
Pos. 2	Einlassventil Inlet relief									
3	63 bis 200 Bar, Standardeinstellung 120 Bar 63 to 200 Bar, standard setting 120 Bar									
4	160 bis 315 Bar, Standardeinstellung 220 Bar 160 to 315 Bar, standard setting 220 Bar									
VS	Verschlussstopfen Blanking port									
Pos. 3	Schaltbilder Spool options									
1	3 Positionen, doppeltwirkend, A-B geschlossen 3 Positions, double acting, A-B closed									
2	3 Positionen, doppeltwirkend, A-B-T verbunden 3 Positions, double acting, A-B opten to T									
3	3 Positionen, einfachwirkend an A 3 Positions, single action on A									
4	3 Positionen, einfachwirkend an B 3 Positions, single action on B									
Pos. 4	Positionierer B B Side spool positioners									
6-1	3 Positionen, Rastung in Pos. 1-0-2 3 Positions, detent in pos. 1-0-2									
6-2	2 Positionen, Rastung in Pos. 0-2 2 Positions, detent in pos. 0-2									
6-3	2 Positionen, Rastung in Pos. 1-0 2 Positions, detent in pos. 1-0									
8	3 Positionen, Federzentrierung zur Neutralstellung 3 Positions, spring return to neutral									
8-1	2 Positionen, Federzentrierung zur Neutralstellung 2 Positions, spring return to neutral									
8-2	2 Positionen, Federzentrierung zur Neutralstellung 2 Positions, spring return to neutral									
9-1	3 Positionen, Rastung in Pos. 1-2, Federzentriert 3 Positions, detent in pos. 1-2, spring centered									
9-2	3 Positionen, Rastung in Pos. 2, Federzentriert 3 Positions, detent in pos. 2, spring centered									
9-3	3 Positionen, Rastung in Pos. 1, Federzentriert 3 Positions, detent in pos. 1, spring centered									
Pos. 5	Positionierer A A Side spool positioners									
L	Standardhebel Standard lever box									
SL	Ohne Handhebel Without any cover									
SPL	Staubschutzplatte, ohne Handhebel With dust-proof plate									
KV	Flexible Kabelverbindung Flexible cable connection									
LCB	Joystick Joystick									
Pos. 6	Anschluss Port									
G-3	G3/8 G3/8									
SAE 8	3/4-16 UNF-2B 3/4-16 UNF-2B									
M18	M18x1.5 M18x1.5									

