

Product News

NO.24
05EA

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03 Series Modular Valves MH*-03

Notice of Model Change due to higher pressure and flow rate

The subject modular valves of the head title will undergo model change into 70 design in line with improvements towards higher pressure and larger flow.

Name	Model Numbers
03 Series Sequence Modular Valves	MHP-03-*-70
03 Series Counterbalance Modular Valves	MHA/MHB-03-*-70

■Major Improvements

The maximum operating pressure (35 MPa) and maximum flow (120 L/min) have each been significantly improved.

■Mounting Interchangeability

Interchangeable.

■Model Number Designation

The design number is updated to 70. The following items are also added.

- (1) Pressure adjustment range K: 14-35 (MPa)
- (2) Adjustment screw direction [MHP].
- (3) Drain connection method [MHA, MHB].

MHP	- 03	- K	- B	- T	- 70
Series Number	Valve Size	Pres. Adj. Range MPa	Direction of Adj. Screw	Drain Connection Method	Design Number
MHP: Sequence Valve for P-Line	03	N: ★~1.8 A: 1.8~3.5 B: 3.5~7 C: 7~14 K: 14~35	None: Cylinder A Port Side B: Cylinder B Port Side	—	70
MHA: Counterbalance Valve for A-Line MHB: Counterbalance Valve for B-Line			—	None: External Drain T-Line Connection T: Internal Drain A-Line Connection [MHA] B-Line Connection [MHB]	

■Specifications

The following improvements have been made.

Item	Old	New
Max. Operating Pressure MPa	25	35
Max. Flow L/min	50	120

■Timing of Release

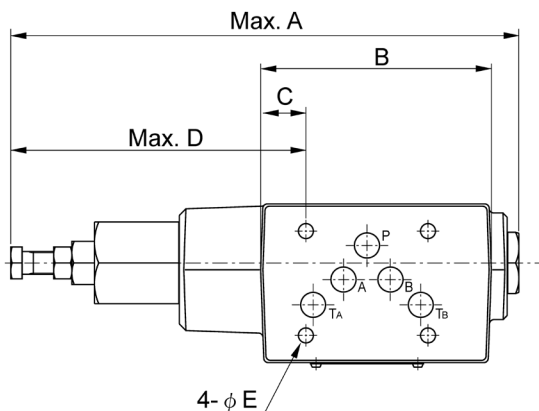
Upon depletion of current stock.

■ Comparison of old and new external dimensions

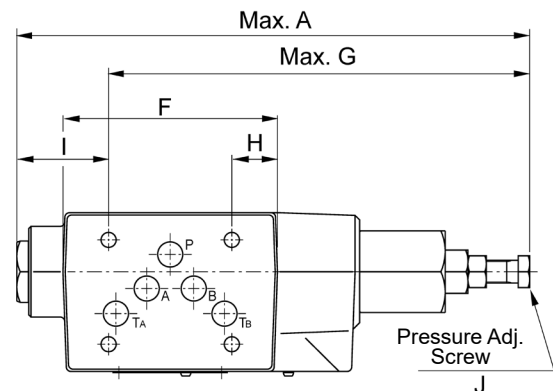
The following external dimensions have been changed (dimensions other than those listed below remain unchanged).

	Model Number	A	B	C	D	E	F	G	H	I	J
Old	MHP-03-*-20	242	92	19	134	7	—	—	—	—	—
New	MHP-03-*-70	225	102	20	130.5	6.6	94	184.5	20	40.2	14 Hex.
Old	MHA/MHB-03-*-20	228	92	19	134	7	228	134	—	40	14 Hex.
New	MHA/MHB-03-*-70	227	102	28	140.5	6.6	216.5	130	—	32.2	14 Hex. (Same)
	MHA/MHB-03-N-*-70										5 Hex. Soc

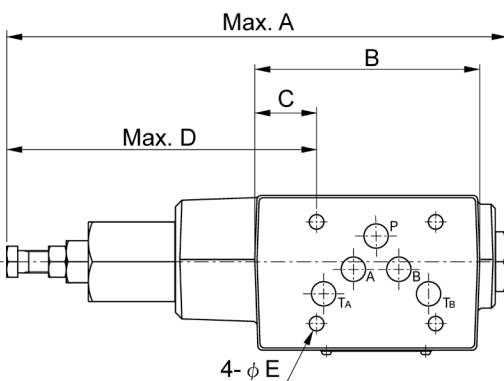
【MHP-03-*】



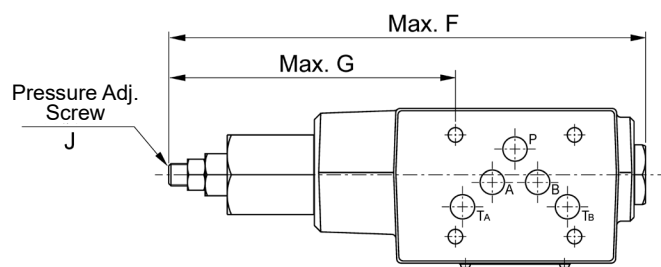
【MHP-03-*-B】



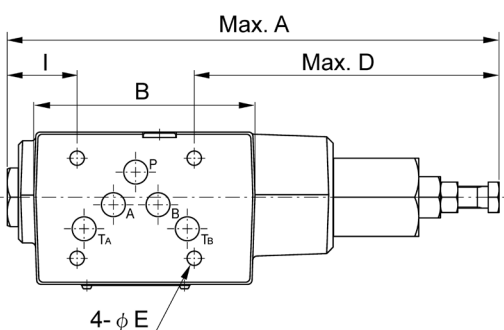
【MHA-03-A/B/C/K】



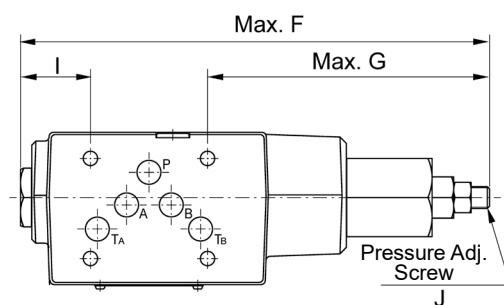
【MHA-03-N】



【MHB-03-A/B/C/K】



【MHB-03-N】



■ External Drawings

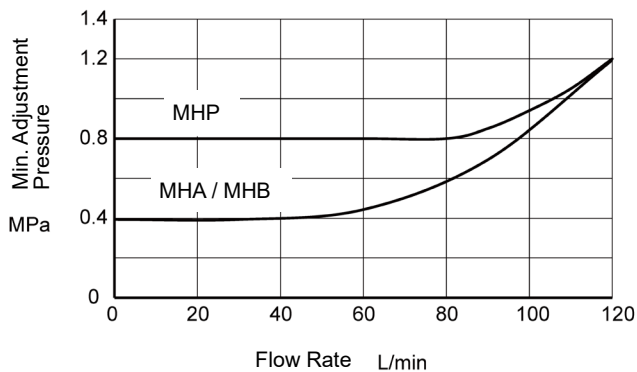
For details [specifications and exterior dimensions] of the new 70 design, please refer to the exterior drawings to be published soon.

Model Number	Drawing Number
MHP-03-*-*-70	3312-VA331400-2
MHA/MHB-03-*-*-70	3314-VA331941-0

■ Min. Adjustment Pressure

<Conditions> Hydraulic Fluid: Viscosity 30 mm²/s
Specific Gravity 0.850

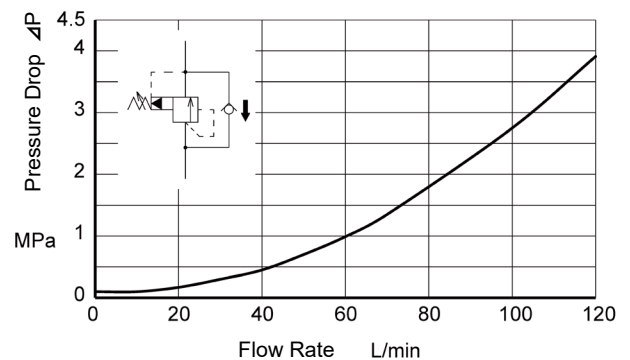
MHP/MHA/MHB-03



■ Pressure Drop for Free Flow

<Conditions> Hydraulic Fluid: Viscosity 30 mm²/s
Specific Gravity 0.850

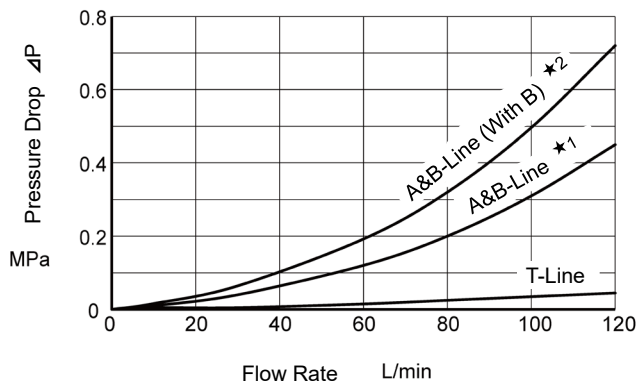
MHA/MHB-03



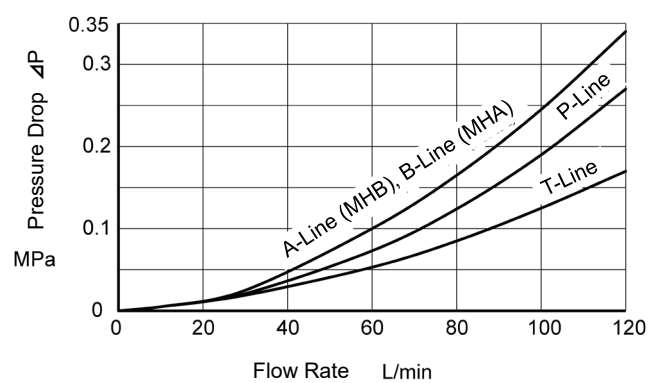
■ Pressure Drop

<Conditions> Hydraulic Fluid: Viscosity 30 mm²/s
Specific Gravity 0.850

MHP-03



MHA/MHB-03



- ★1. Direction of Adjustment Screw: Cylinder A-Port Side
- ★2. Direction of Adjustment Screw: Cylinder B-Port Side