



HYDRAULIC VALVE SERIES

MRV PRODUCT SERIES

MODULAR TYPE RELIEF VALVES

MRV-02



MRV-04



MRV-03

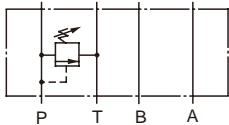


MRV-06

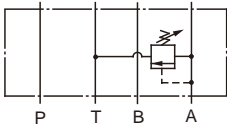


SPOOL SYMBOLS

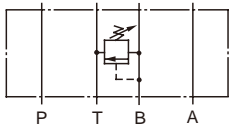
MRV-P



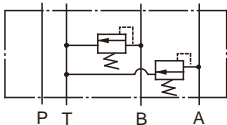
MRV-A



MRV-B



MRV-W



ORDERING CODE

MRV - 02 - P - 2

Pressure adjustment scope

- 1 7~70 kgf/cm²
- 2 35~140 kgf/cm²
- 3 70~210 kgf/cm²

Function bore

P | A | B | W

Size

- 02: 1/4" 04: 1/2"
- 03: 3/8" 06: 3/4"

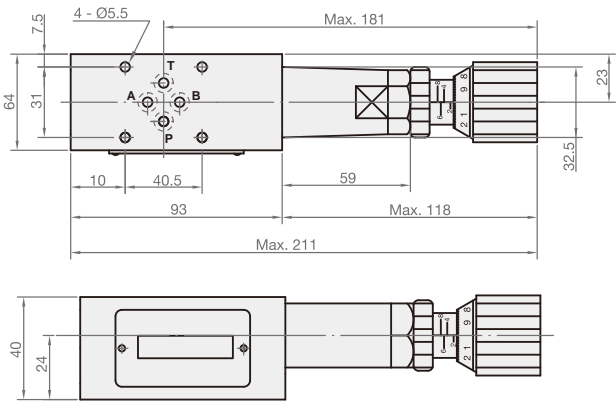
Modular Relief Valves

SPECIFICATION

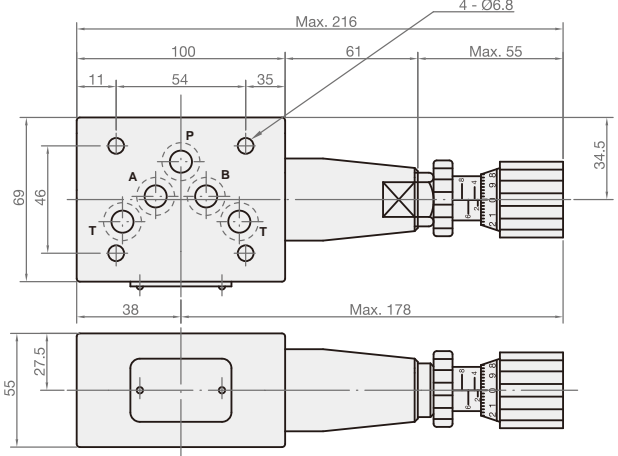
Model	Maximum pressure (kgf/cm ²)	Pressure adjustment scope (kgf/cm ²)	Maximum flow (l/min)	Weight (kg)
MRV-02-P, A, B	210	1: 7~70 2: 35~140 3: 70~210	35	1.7
MRV-02-W			35	2.5
MRV-03-P, A, B			70	3.2
MRV-03-W			70	4.5
MRV-04-P, A, B			160	6.7
MRV-06-P, A, B			200	11.0

DIMENSION (Unit: mm)

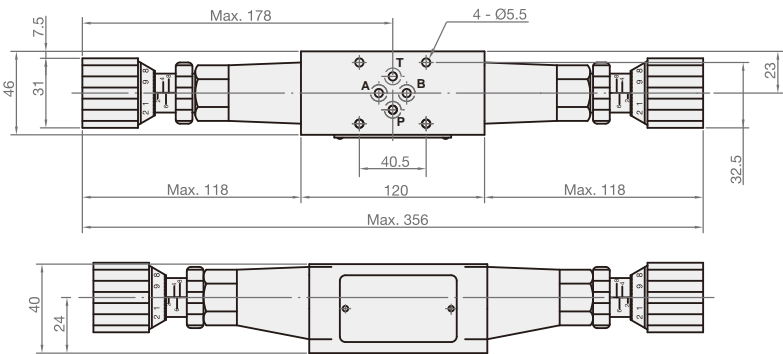
MRV-02-P



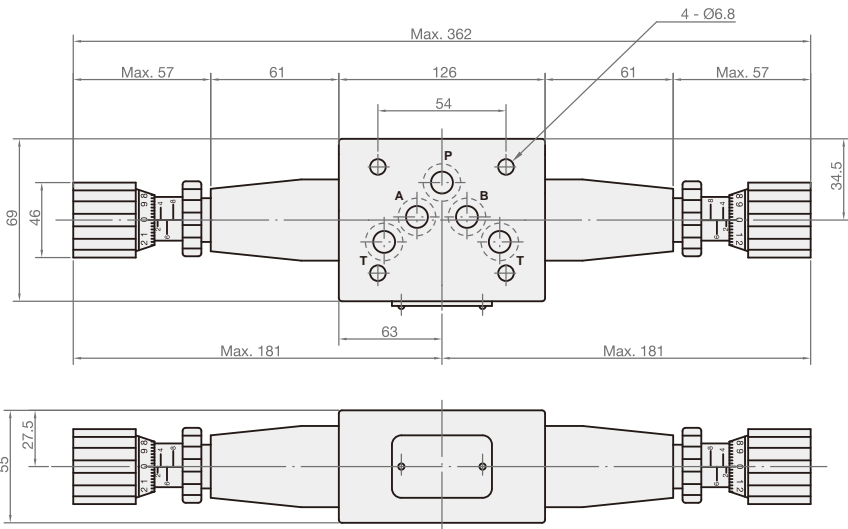
MRV-03-P



MRV-02-W

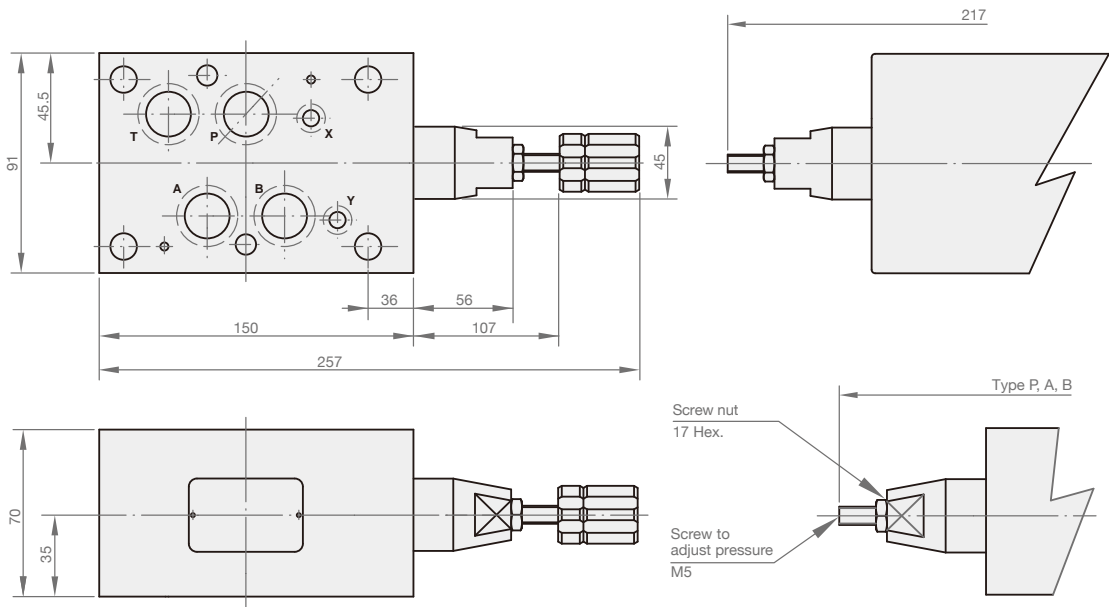


MRV-03-W

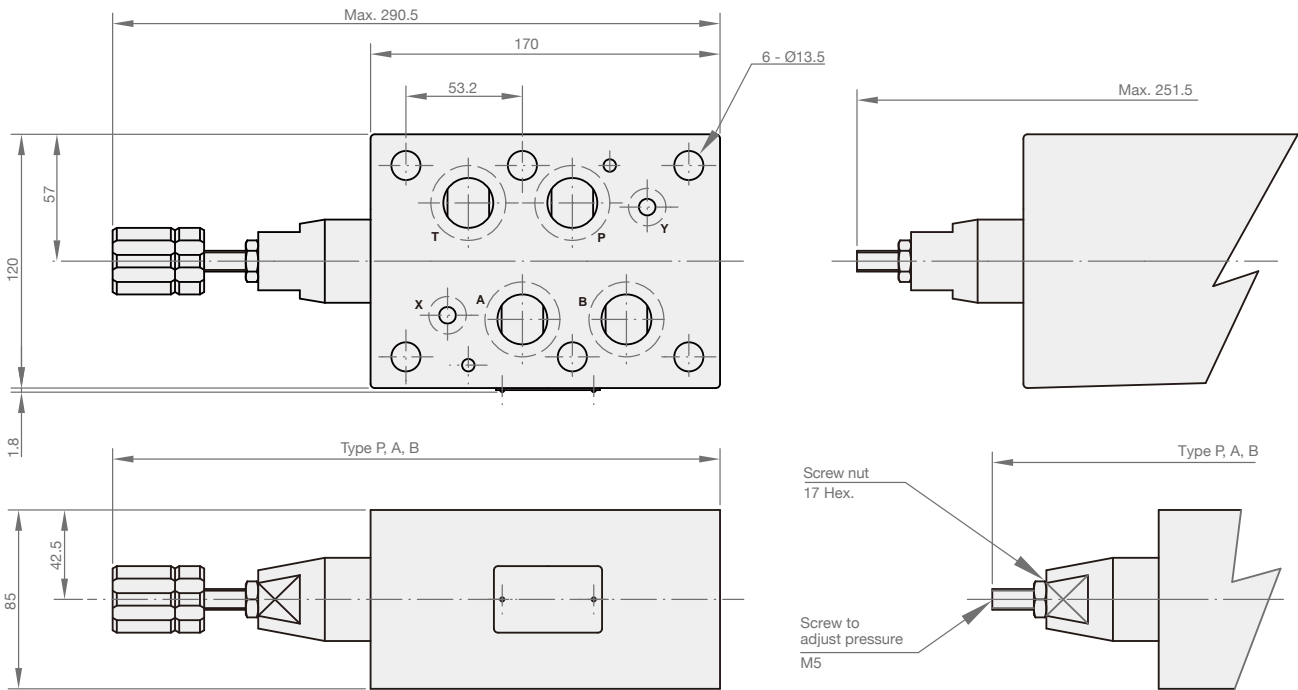


DIMENSION (Unit: mm)

MRV-04



MRV-06



MBRV PRODUCT SERIES

MODULAR PRESSURE REDUCING VALVES

MBRV-02



MBRV-04



MBRV-03

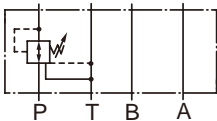


MBRV-06

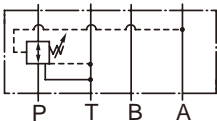


SPOOL SYMBOLS

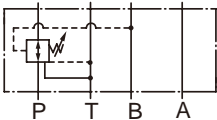
MBRV-P



MBRV-A



MBRV-B



ORDERING CODE

MBRV - 02 - A - 1

Pressure adjustment scope

- 0 3~30 kgf/cm²
- 1 8~70 kgf/cm²
- 2 35~140 kgf/cm²
- 3 70~210 kgf/cm²

Function bore

P | A | B

Size

- 02: 1/4" 04: 1/2"
- 03: 3/8" 06: 3/4"

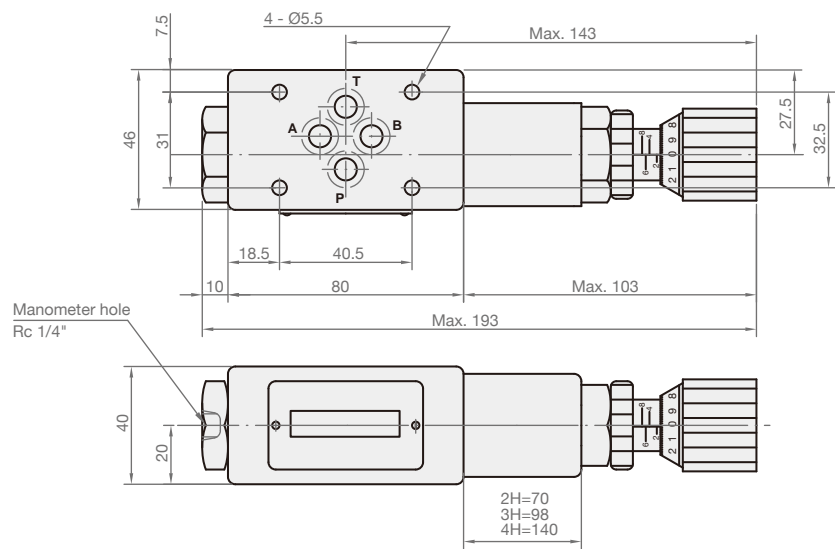
Modular Pressure Reducing Valves

SPECIFICATION

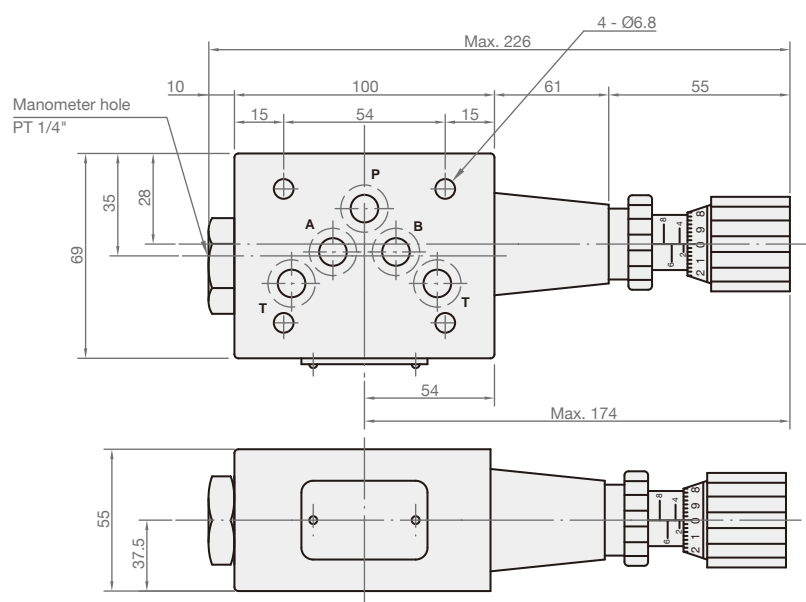
Model	Maximum pressure (kgf/cm ²)	Pressure adjustment scope (kgf/cm ²)	Maximum flow (l/min)	Weight (kg)
MBRV-02	210	0: 3~30 1: 8~70 2: 35~140 3: 70~210	35	1.3
MBRV-03			70	3.3
MBRV-04		1: 8~70 2: 35~140 3: 70~210	120	7.7
MBRV-06			180	11

DIMENSION (Unit: mm)

MBRV-02

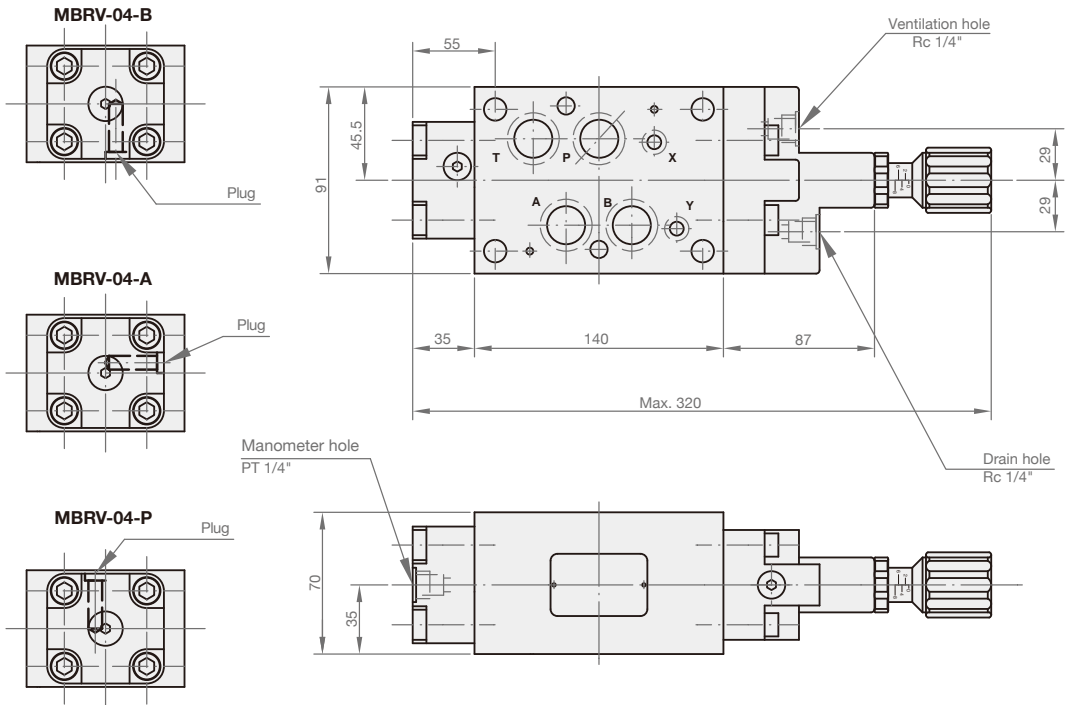


MBRV-03

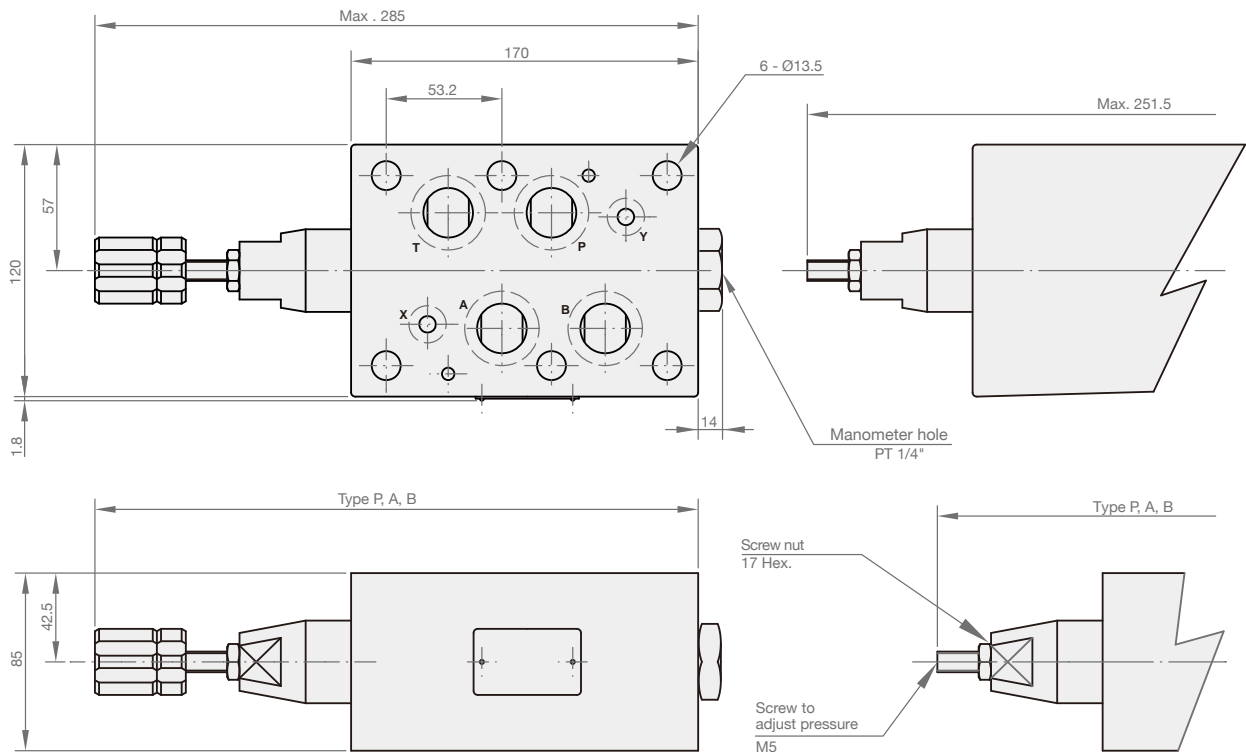


DIMENSION (Unit: mm)

MBRV-04



MBRV-06



MSCV PRODUCT SERIES

Sequence & Counter Balance Modular Valve

MSCV-02

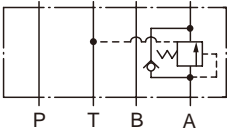


MSCV-03

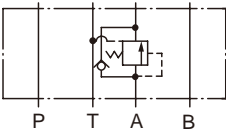


SPOOL SYMBOLS

MSCV-A



MSCV-B



ORDERING CODE

MSCV - 02 - A - 2

Pressure adjustment scope

- 1 8~70 kgf/cm²
- 2 35~140 kgf/cm²
- 3 70~210 kgf/cm²

Function bore

A | B

Size

02: 1/4" 03: 3/8"

Main Steam Control Valve

SPECIFICATION

Model	Maximum pressure (kgf/cm ²)	Pressure adjustment scope (kgf/cm ²)	Maximum flow (l/min)	Weight (kg)
MSCV-02	210	1: 8~70	35	1.5
MSCV-03		2: 35~140 3: 70~210	70	4.1

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MTV, MTCV-P PRODUCT SERIES

MODULAR REGULATING VALVES

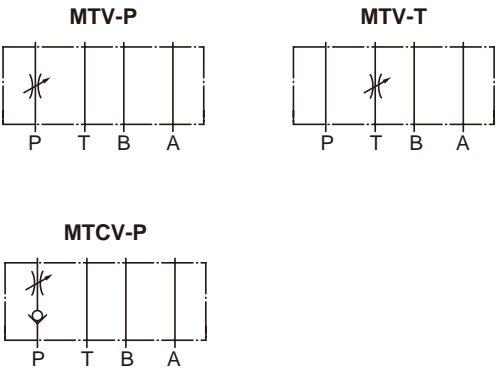
MTV-02
MTCV-02-P



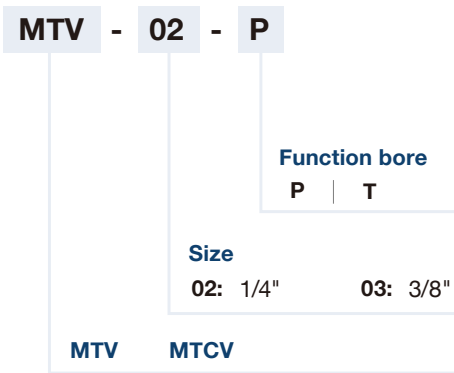
MTV-03
MTCV-03-P



SPOOL SYMBOLS



ORDERING CODE

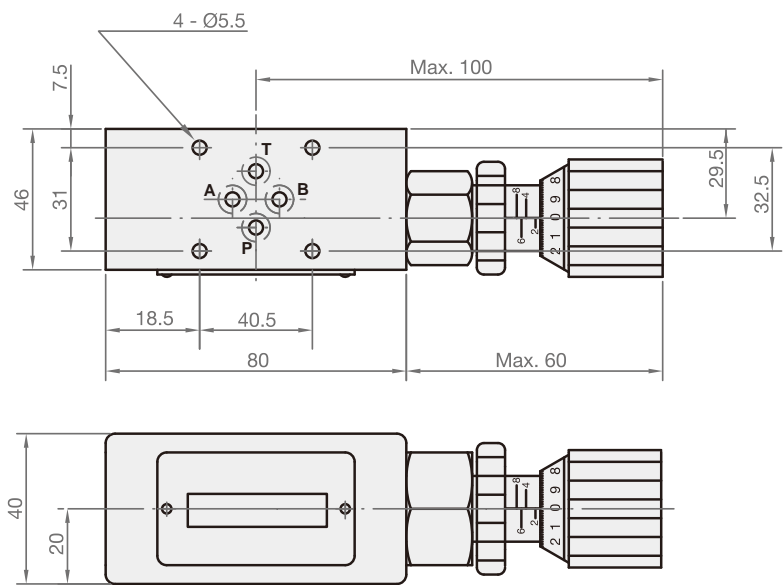


SPECIFICATION

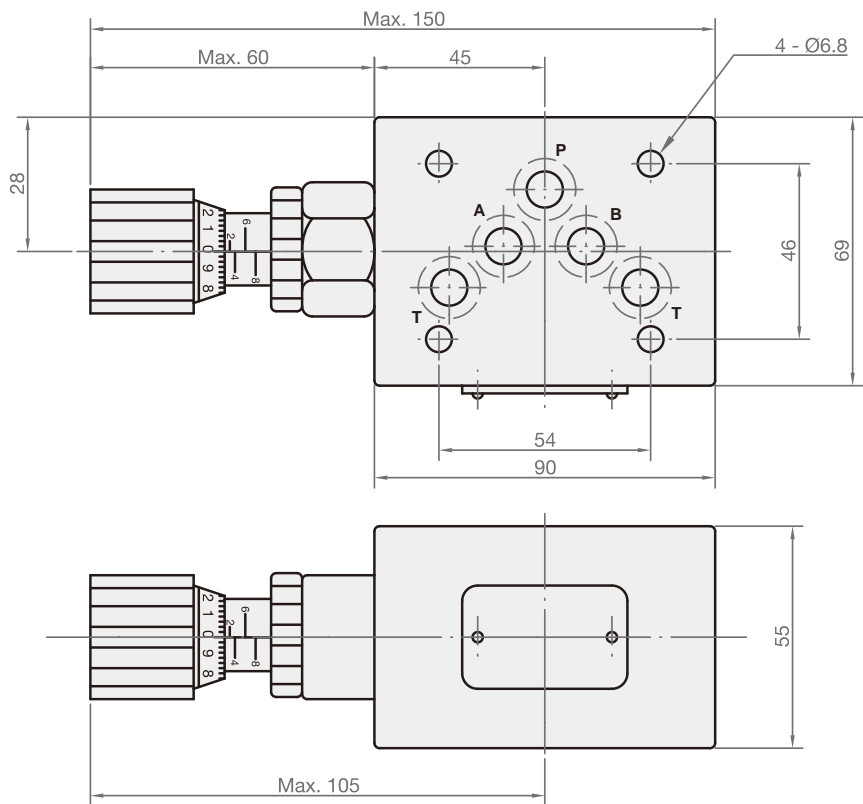
Model	Maximum pressure (kgf/cm ²)	Maximum flow (l/min)	Weight (kg)
MTV-02-P, T MTCV-02-P	210	35	1.1
MTV-03-P, T MTCV-03-P		70	2.6

DIMENSION (Unit: mm)

MTV-02, MTCV-02-P



MTV-03, MTCV-03-P



MTCV PRODUCT SERIES

MODULAR CHECK FLOW REGULATING VALVES

MTCV-02



MTCV-04



MTCV-03



MTCV-06

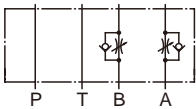
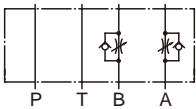


SPOOL SYMBOLS

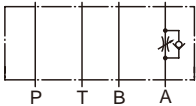
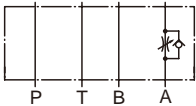
SALIDA AL ACTUADOR

ENTRADA AL ACTUADOR

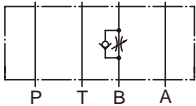
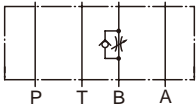
MTCV-W



MTCV-A



MTCV-B



ORDERING CODE

MTCV - 02 - A - I - 50

Pressure adjustment scope

05 0.5 kgf/cm²
50 2.5 kgf/cm²

Movement direction

Nada: salida al actuador
I: entrada al actuador

Function bore

A | B | W

Size

02: 1/4" 04: 1/2"
03: 3/8" 06: 3/4"

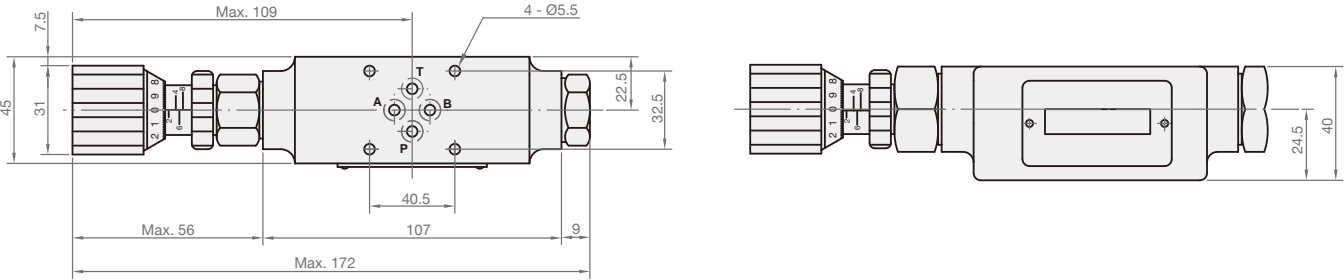
MTCV

SPECIFICATION

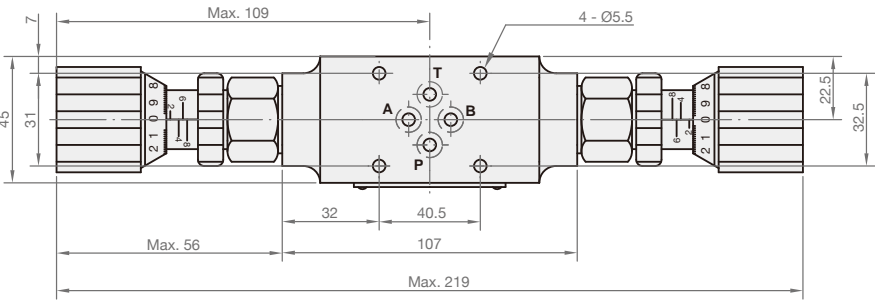
Model	Maximum pressure (kgf/cm ²)	Maximum flow (l/min)	Weight (kg)
MTCV-02	210	35	1.4
MTCV-03		70	3.0
MTCV-04		120	6
MTCV-06		180	12.5

DIMENSION (Unit: mm)

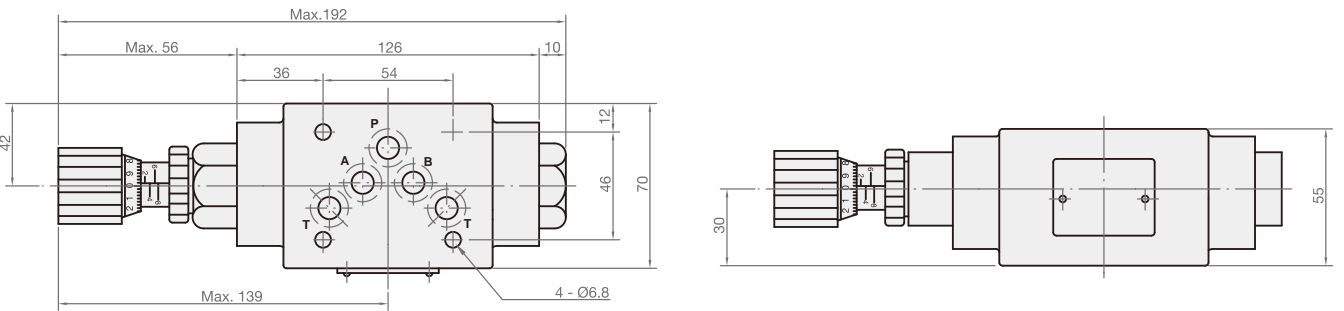
MTCV-02-A, B



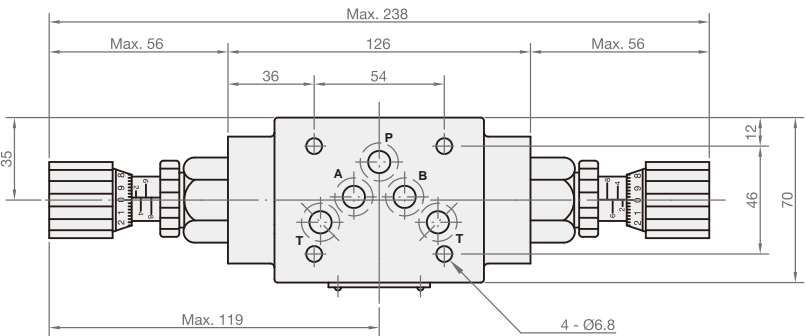
MTCV-02-W



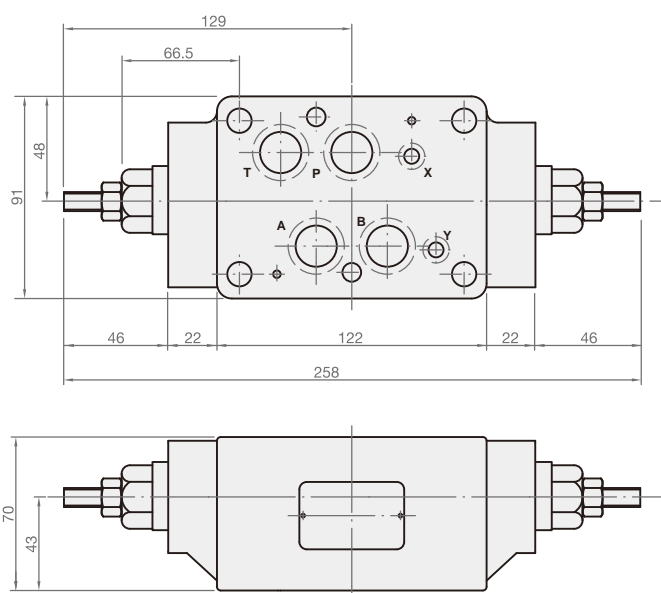
MTCV-03-A, B



MTCV-03-W



MTCV-04-W



Technical drawing of the 3000 series hydraulic valve, showing front and side views with dimensions in mm.

Front View Dimensions:

- Overall width: Max. 363
- Overall height: 120
- Port diameter: 6 - Ø13.5
- Port spacing: 16.3, 53.2, 77
- Port labels: T, P, Y, X, A, B
- Mounting hole diameter: 1.8
- Mounting hole offset: 31.8
- Mounting hole spacing: 130.2
- Mounting hole diameter: 14

Side View Dimensions:

- Overall height: 85
- Port diameter: 35
- Port labels: Type A, Type B, Type W

MST PRODUCT SERIES

MODULAR FLOW CONTROL VALVE AND SOLENOID

ORDERING CODE

MST - 02 - T - D1

Power source
A1: AC 110V, 50/60Hz
A2: AC 220V, 50/60Hz
D1: DC 12V
D2: DC 24V

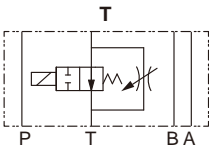
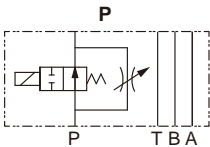
Function bore
P | T

Size
02: 1/4"

MST



SPOOL SYMBOLS

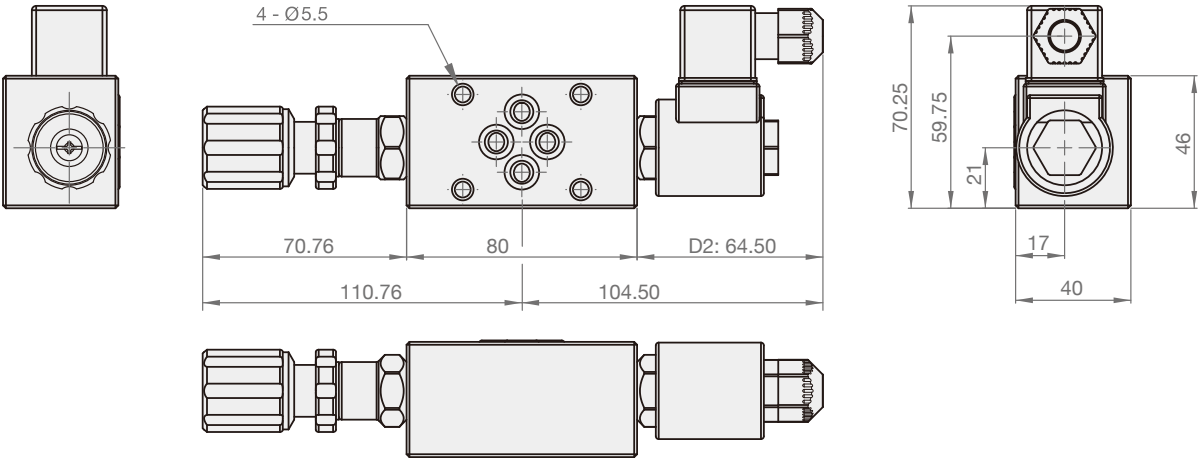


SPECIFICATION

Model	Maximum pressure (kgf/cm ²)	Maximum flow (l/min)	Weight (kg)
MST-02	210	35	1.28

DIMENSION (Unit: mm)

MST-02P-D2



MCV PRODUCT SERIES

MODULAR CHECK VALVES

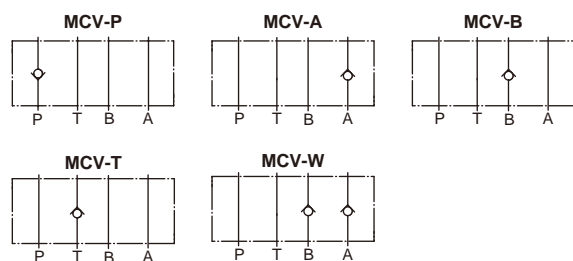
MCV-02



MCV-03



SPOOL SYMBOLS



ORDERING CODE

MCV - 02 - T - 50

Pressure adjustment
scope

05 0.35 kgf/cm²

50 3.5 kgf/cm²

Function bore

P | T | A | B | W

Size

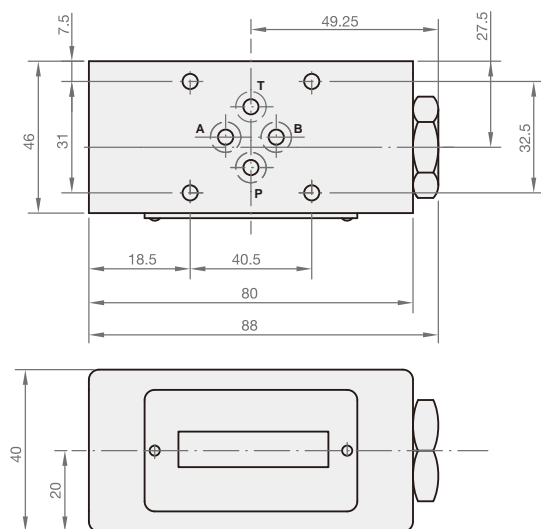
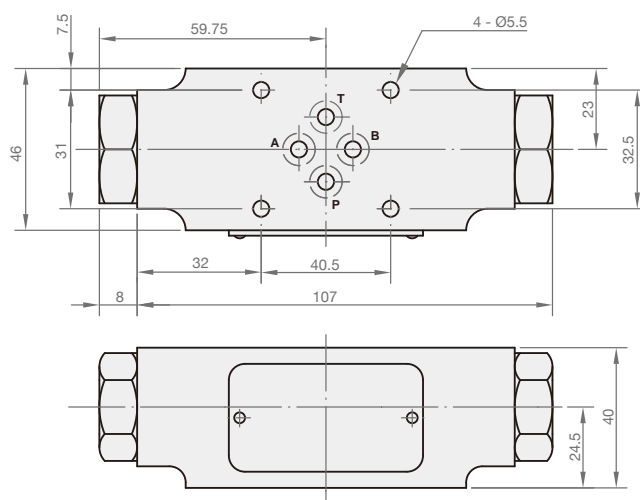
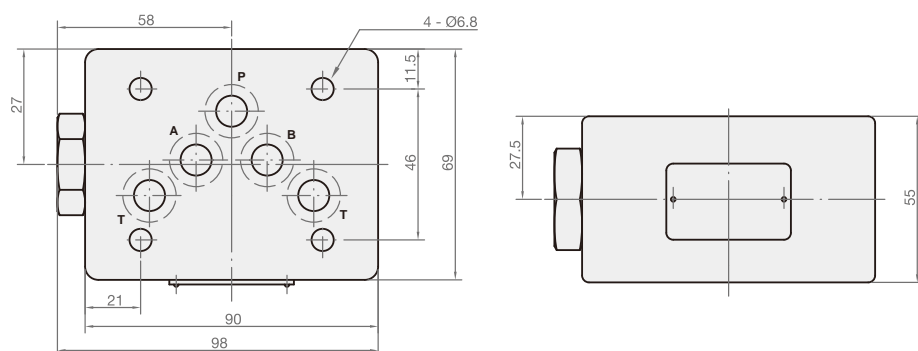
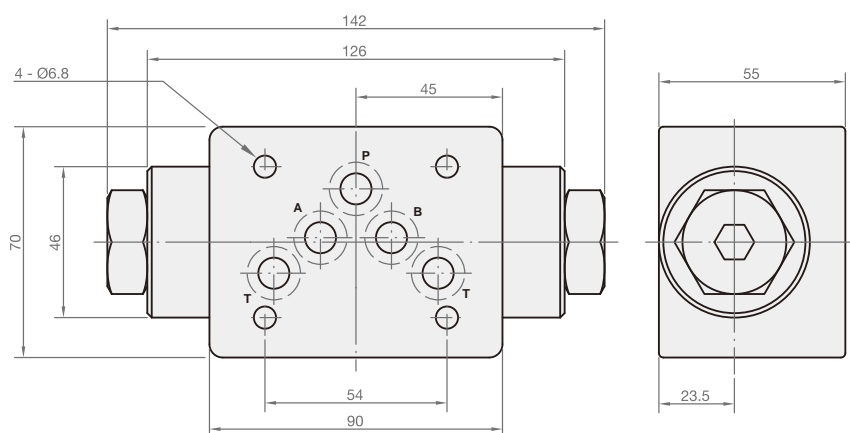
02: 1/4"

03: 3/8"

MCV

SPECIFICATION

Modelo	Maximum pressure (kgf/cm ²)	Comprobación de la presión (kgf/cm ²)	Maximum flow (l/min)	Weight (kg)
MCV-02	210	05: 0.35	35	1.1
MCV-03		50: 3.5	70	2.5

DIMENSION (Unit: mm)**MCV-02-P, T, A, B****MCV-02-W****MCV-03-P, T, A, B****MCV-03-W**

MPCV PRODUCT SERIES

MODULAR HYDRAULIC OPERATED CHECK VALVES

MPCV-02



MPCV-04



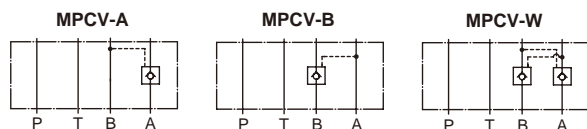
MPCV-03



MPCV-06



SPOOL SYMBOLS



ORDERING CODE

MPCV - 02 - B

Function bore

A | B | W

Size

02: 1/4"

04: 1/2"

03: 3/8"

06: 3/4"

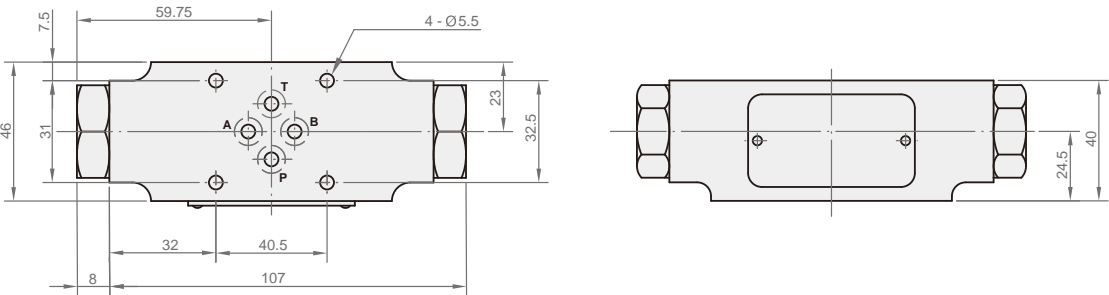
MPCV

SPECIFICATION

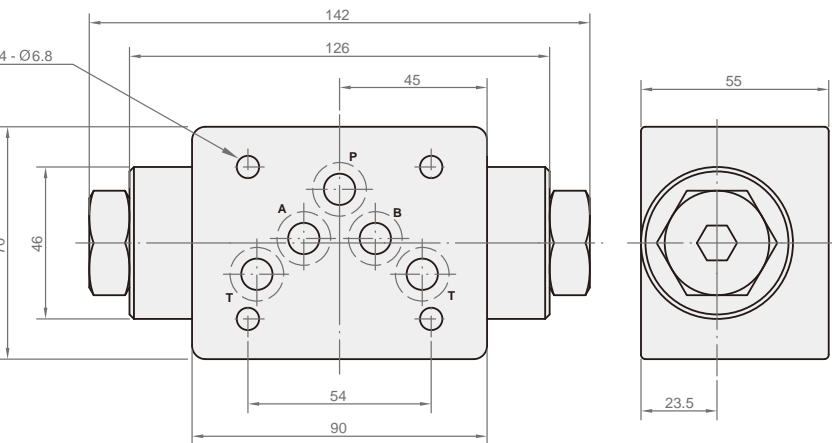
Modelo	Maximum pressure (kgf/cm ²)	Maximum flow (l/min)	Weight (kg)
MPCV-02	210	35	1.3
MPCV-03		70	3.0
MPCV-04		120	7.0
MPCV-06		180	12.5

DIMENSION (Unit: mm)

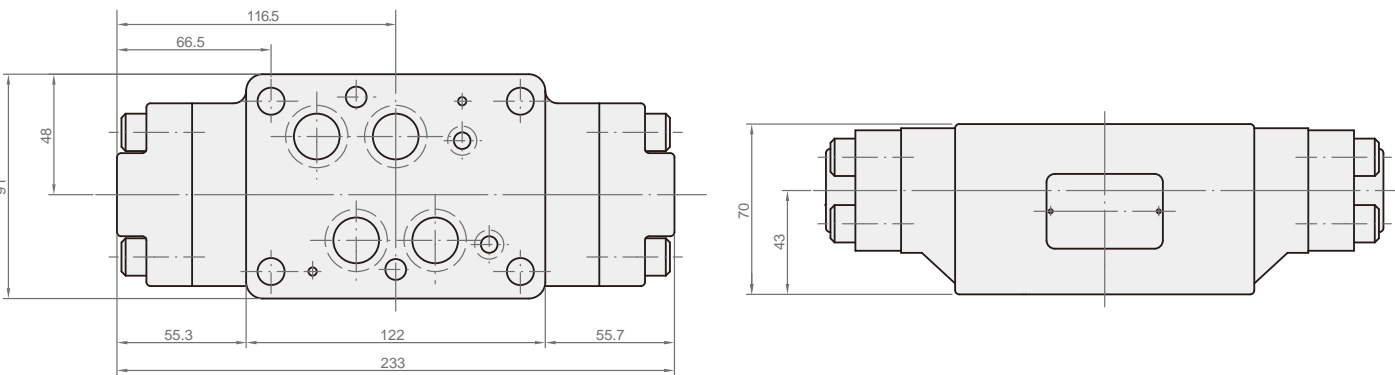
MPCV-02



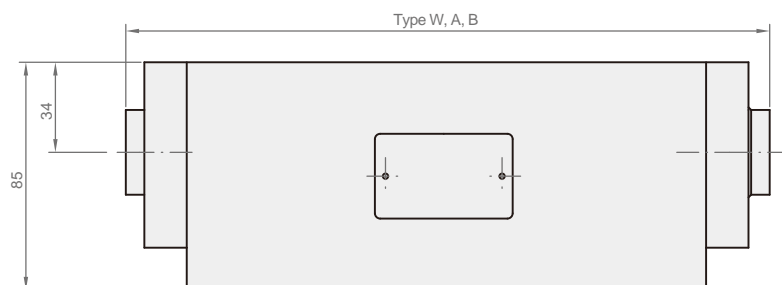
MPCV-03



MPCV-04



Technical drawing of a rectangular metal plate. The overall dimensions are 234 mm in width and 120 mm in height. The width is divided into segments of 7 mm, 220 mm, and 189 mm. The height is divided into segments of 1.8 mm, 70.5 mm, and 14 mm. The plate features six Ø13.5 mm holes arranged in two rows of three. The top row holes are labeled T, P, and Y, and the bottom row holes are labeled X, A, and B. The distance between the centers of the top row holes is 52.2 mm, and the distance between the centers of the bottom row holes is 77 mm. The distance from the left edge to the center of the first hole in the top row is 16.3 mm. The distance from the left edge to the center of the first hole in the bottom row is 31.8 mm. The distance between the centers of the two middle holes in the bottom row is 130.2 mm. The plate has a central slot with a width of 189 mm and a depth of 70.5 mm. The plate is shown with a cross-section view on the right side, indicating a thickness of 14 mm.



MRV-D PRODUCT SERIES

MODULAR RELIEF VALVES



ORDERING CODE

MRV - 02 - D - 2

Pressure adjustment scope

- 1 7~70 kgf/cm²
- 2 35~140 kgf/cm²
- 3 70~210 kgf/cm²

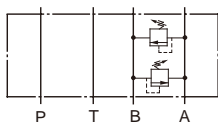
MRV-D

Size

02: 1/4"

MRV-D

SPOOL SYMBOLS



SPECIFICATION

Model	Maximum pressure (kgf/cm ²)	Pressure adjustment (kgf/cm ²)	Maximum flow (l/min)	Weight (kg)
MRV-02D	210	1: 7~70 2: 35~140 3: 70~210	35	1.53

DIMENSION (Unit: mm)

MRV-02D

