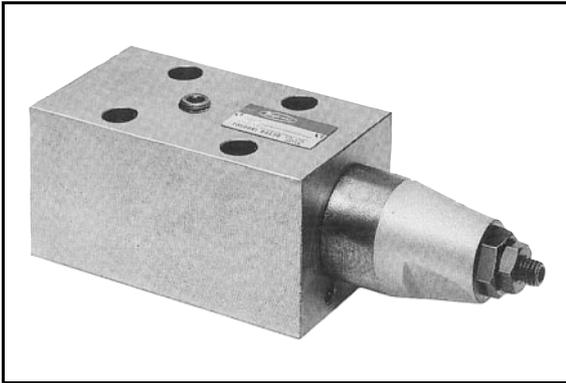


HY-TEGRA MANIFOLD MOUNT-TYPE BALANCING VALVE (HGR2M)

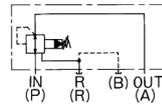


This is a balancing valve that can be mounted on the HY-TEGRA manifold. This compound pressure control valve supplies any balancing pressure required to ensure the smooth vertical motion of a large load such as a headstock. It can control the compound function that provides the combination of the pressure reducing valve function and the relief valve function to allow controlling of balancing pressure with a single adjusting screw.

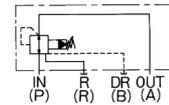
FEATURES

1. Since the valve provides compound functions, the hydraulic system can be designed compactly.
 2. Pressure adjustment is simple, using only one adjusting screw.
- There are two types of valve differing in their type of drain: internal drain or external drain.

Internal Drain Type



External Drain Type



SPECIFICATIONS

Drain Type	Model	Max. Operating Pressure (MPa)	Rated Flow (L/min)	Max. Flow (L/min)	Pressure Adjustment Range (MPa)
Internal drain	HGR2M-BG*-025B	14	20	40	* symbol 1: 1.2 to 7 2: 3.5 to 14
	HGR2M-BG*-03		40	80	
External drain	HGR2M-BG*D-025B		20	40	
	HGR2M-BG*D-03		40	80	

EXTERNAL DIMENSIONS

● Size 025

● HGR2M-BG*(D)-025B

Technical drawing of the HGR2M-BG*(D)-025B valve. The front view shows a rectangular manifold with a pressure adjusting screw on the right. Dimensions include a total length of 159.4 MAX. and a width of 45. Port labels include (A) OUT, (R) R, (B) DR, and IN (P). A pressure gauge connection port is shown on the top. The top view shows a circular subplate with a pressure adjusting screw and a 4-M5 screw. Dimensions for the subplate include a diameter of 57 and a width of 22.5. The side view shows the valve's profile with a total length of 56.4 MAX. and a width of 103. An O-RING 4-JIS B2401-1AP9 is indicated. The mass is listed as 2.0 kg.

NOTE 1: TO USE HGR2M-BG*-025B, PLUG THE B PORT OF THE MANIFOLD AND THE SUBPLATE.
 NOTE 2: TO USE HGR2M-BG*D-025B, CONNECT THE PIPING USING THE B PORT OF THE MANIFOLD AND THE SUBPLATE AS THE DRAIN PORT.

● Size 03

● HGR2M-BG*(D)-03

Technical drawing of the HGR2M-BG*(D)-03 valve. The front view shows a rectangular manifold with a pressure adjusting screw on the right. Dimensions include a total length of 213 MAX. and a width of 70. Port labels include (A) OUT, (R) R, (P) IN, and (B) DR. A pressure gauge connection port is shown on the top. The top view shows a circular subplate with a pressure adjusting screw and a 4-M8 screw. Dimensions for the subplate include a diameter of 63 and a width of 35. The side view shows the valve's profile with a total length of 79 MAX. and a width of 124. An O-RING 4-JIS B2401-1BP12 is indicated. The mass is listed as 4.3 kg.

NOTE 1: TO USE HGR2M-BG*-03, PLUG THE B PORT OF THE MANIFOLD AND THE SUBPLATE.
 NOTE 2: TO USE HGR2M-BG*D-03, CONNECT THE PIPING USING THE B PORT OF THE MANIFOLD AND THE SUBPLATE AS THE DRAIN PORT.