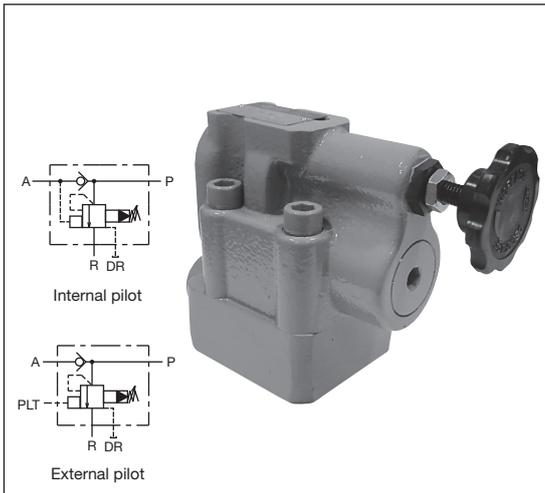


UNLOAD RELIEF VALVE (HRU)

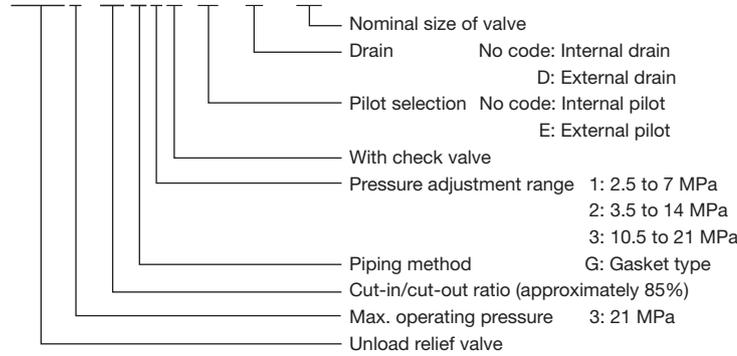


This type of valve consists of a balance piston type unloading valve and a check valve assembled in one housing and is mainly used in accumulator circuits and circuits in which two levels of pressure (low-pressure large-volume circuit and high-pressure small-volume circuit) are handled.

- When the pressure in the main circuit reaches the unloading valve setting pressure (cut-out pressure), the pilot pressure operates to return the pumped fluid to the reservoir from the return port at no load. As the main circuit pressure is reduced to the cut-in pressure (about 85% of the cut-out pressure), the pilot pressure is shut off and the pumped fluid flows into the main circuit in the loaded state.
- The external drain piping should be directly connected to the reservoir with the end of the pipe immersed in the fluid.
- In order to use the unloading relief valve in the accumulator circuit, the pressure drop from the valve to the accumulator must be lower than 4% of the cut-out pressure.
- If subplate SHRU**-*T1 is necessary, please order one separately.
- In the accumulator circuit, use an external pilot type valve. In this case, take the pilot pressure from a position as close to the accumulator as possible.

Description of the model designation

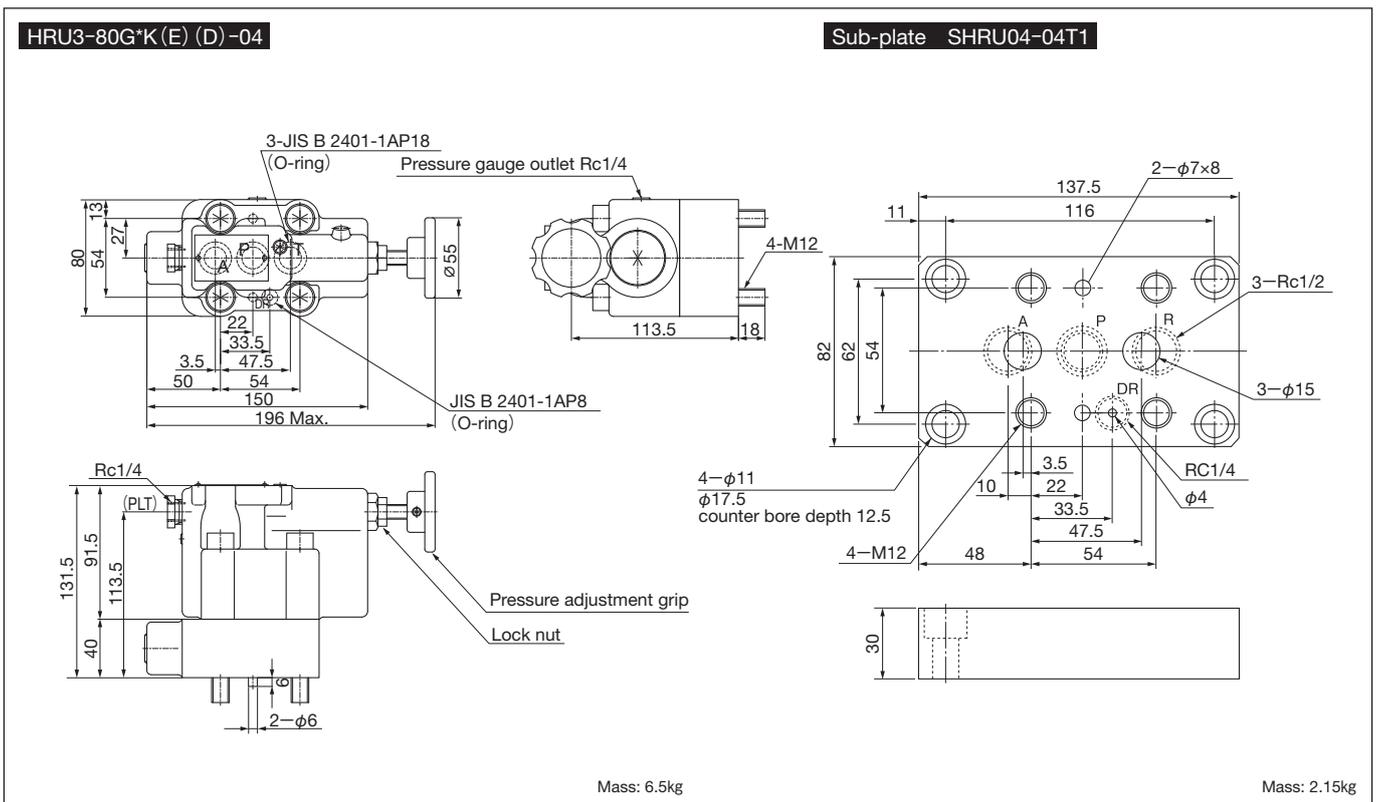
HRU3-80G1K (E) (D) -04



Specifications

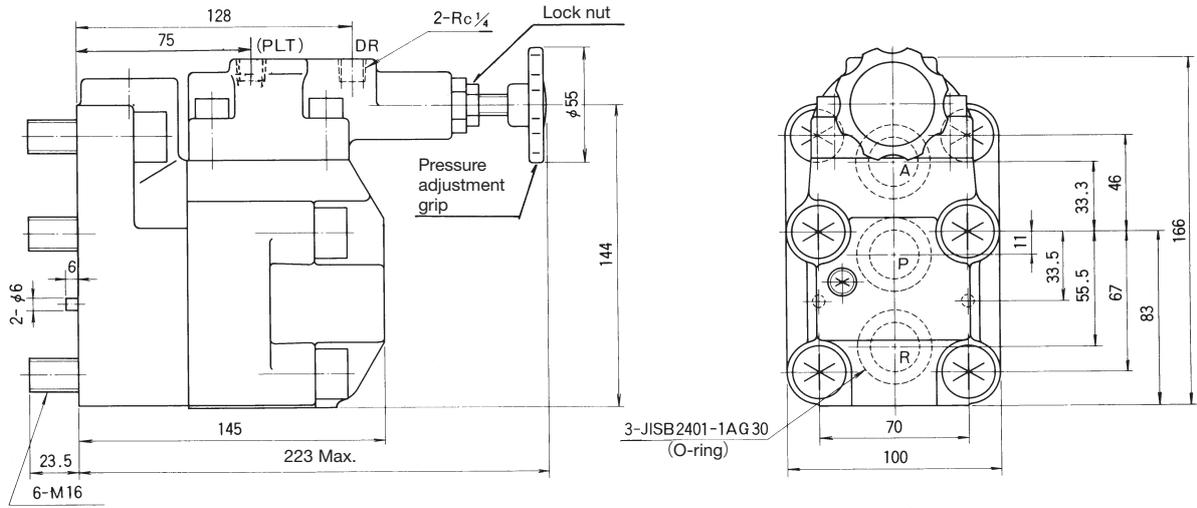
Nominal size	Rated flow rate (L/min)	Maximum flow rate (L/min)	Max. operating pressure (MPa)	Pressure adjustment range (MPa)	Model	
					Internal pilot	External pilot
04	40	80	21	1: 2.5 to 7 2: 3.5 to 14 3: 10.5 to 21	HRU3-80G*K(D)-04	HRU3-80G*KE(D)-04
06	120	190			HRU3-80G*K(D)-06	HRU3-80G*KE(D)-06

Outside dimensions



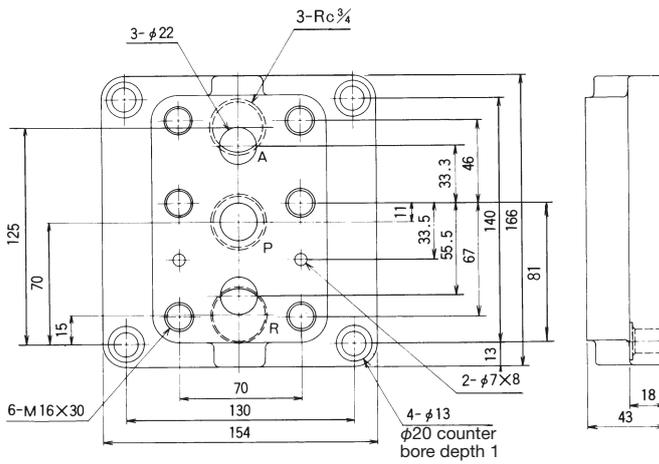
Outside dimensions

HRU3-80G*K(E)D-06



Mass: 12.0kg

Sub-plate SHRU06-06T1



Mass: 5.1kg



PRESSURE CONTROL VALVES