

Differential pressure regulator

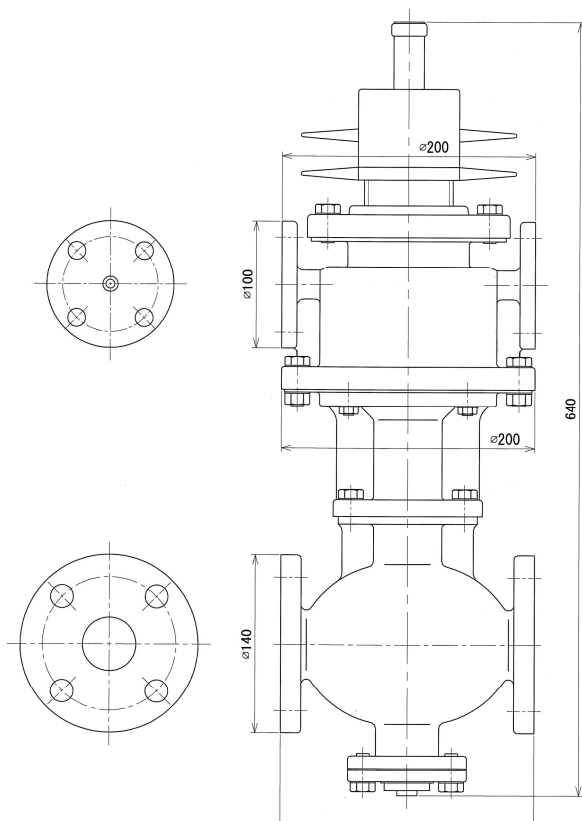


Outline and feature of the product

This product is installed in the supply oil piping system to supply higher oil pressure than the in-machine hydrogen pressure to the generator shaft sealing section in order to prevent the hydrogen cooling type generator in power stations operated by combined cycle method from leaking. This valve is operated so that the differential pressure from the inside of the machine may always be kept on a certain level. The valve satisfies the following oil pressure and oil amount.

Pressure on the inlet port side of the Differential pressure regulator	Regulator-detected pressure for in-machine hydrogen pressure	Differential pressure between the regulator-detected pressure for sealing oil pressure and the regulator-detected pressure for in-machine hydrogen pressure	Sealing oil amount
0.2MPa	0.005~0.06MPa	0.01~0.05MPa	18~60 L/min
0.55~0.73MPa	0.005~0.44MPa	0.01~0.10MPa	18~150L/min

◆ Fig. Type : APR CS-6



◆ Example for Specifications

TYPE	APR CS-6
Differential Pressure adjusting range	0.01~0.1MPa
Ambient temperature	40~65°C
Maximum leakage at valve closing	0.1 L/min
Size of flange	JIS B2240 10K oil flow inlet and outlet flange: 40A (1·1/2B) bellows shell flange: 20A (3/4B)
Detector of differential Pressure	Bellows
Valve type	Poppet valve disc
Seal	Bellows
Weight	Approx.35kg

For further information:

Shinagawa Sokki Mfg. Co., Ltd.
2-16, Omori-minami 1-chome, Ota-ku, Tokyo 143-0013
Phone : +81-3-3745-0011 FAX: +81-3-3745-0015
URL : <http://www.shinagawasokki.co.jp>