

BALANCED REGULATOR MR PN 10 FOR THE JAPANESE MARKET:

A perfect solution

In Japan, new fields of application are opening up for inlet pressure compensated gas pressure regulators in the MR series. In particular, the recently-launched version of the device for inlet pressures up to 1.0 Mpa is a perfect match for the users' specifications. The following report comes from our sales partner in the Japanese market, Kimmon.



Test bench in a major gas company

Before going into detail, here is some general information in order to understand the Japanese gas supply system

Generally, gas pressure is reduced to low pressure (2 kPa) at a local district station, and then low-pressure gas is supplied for domestic or individual use. Recently, some major gas suppliers have started to reduce their gas pressure to a medium pressure (15 kPa) at a local district station, and then further reduce it with the help of a domestic regulator before supplying the gas for consumption.

For medium or large-demand use such as cogeneration, boiler and air-conditioning appliances, gas is generally supplied at medium pressure (under 0.98 Mpa). Afterwards, the gas pressure is reduced to the required pressure by a standardized special regulator unit.

Changed basic conditions are calling for new solutions

Recent energy deregulation makes gas rates for medium or large demand use lower. A major gas company is now planning to install appliance regulators rather than the special regulator units in order to reduce the costs of its gas supplying facilities. MR regulators are considered to be appliance regulators.

The MR 50 PN 10: a tailor-made solution!

We installed the MR regulator in a boiler system and have run field tests together with the gas company and the boilermaker. We will be analyzing pressure conditions during the boiler operation and checking any influence on the combustion until June or July 2004.

Kimmon is analyzing the static and dynamic characteristics of MR regulators, in devices which have only an internal impulse as well as those which have both an internal and external impulse. We will then promote the installation which best meets each individual customer's requirements. The test results show that MR regulators have a wide range of applications (P1: 0.05 - 0.99 MPa, P2: 2 - 50 kPa) and a number of advantages over competing products in their static and dynamic characteristics. We expect to sell the regulators to a variety of users in the near future.

SYOJI KURIKI, KIMMON JAPAN