

THE NEW LIFE OF THE MR 25 PN 6

More value for your money

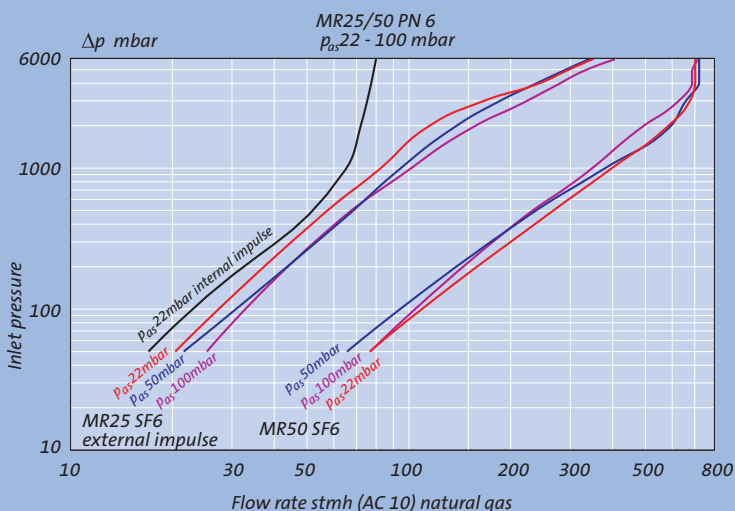
An old friend, the MR 25 PN 6 gas pressure regulator is about to embark on a new life. Having fine-tuned the device, we have managed to considerably increase the flow capacity. That means at the PN 6 pressure rate, we now have a complete range of products: starting with the M2R 25 for capacities that are common in domestic appliances up to its 'big brother', the MR 50 PN 6 for installations in the field of industrial metering.

In order to optimise the flow capacity of the MR 25 PN 6, it is necessary only to connect an additional external impulse line (Fig. 1). By doing so, the control behaviour of the device becomes more consistent and the maximum capacity is increased to between 300 and 400 m³/h under normal conditions (Fig. 2). When the device is operated with its own internal pulse, the guaranteed capacity is 80 m³/h, as already reported in earlier issues.

The increase in capacity of the DN 25 gas pressure regulator also opens up additional economic benefits when it comes to designing gas stations because it is then possible to use DN 25 components such as a filter and ball valve, at least at the inlet side.

To make the connection of the external pulse easier, the external pulse connection at the bottom of the metering gear will now be fitted with a 1/4" thread instead of the 1/8" thread that has been used until now. We recommend using a pipe with

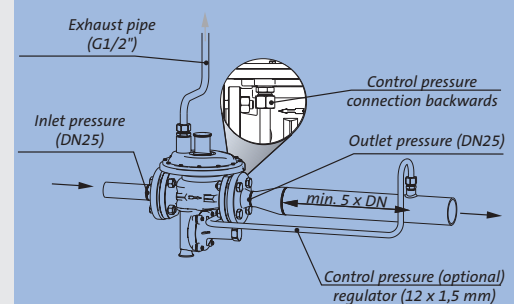
Fig. 2: Flow diagram for MR 25 and MR 50 PN6



the dimensions 12 x 1.5. If there should be any vibrations in a regulating system, these can be suppressed by additionally installing the recently designed DV06-1/4" restrictor valve. The restrictor valve is in this case integrated in the external pulse line (Fig. 1).

By the way: our datasheet for the MR PN 6 series of devices has been completely reviewed and redesigned. You will still find the usual flow diagrams, connection patterns and installation tips, but now you will also find additional information and order numbers for the adjustment springs necessary for changing the pressure ranges of the regulator, safety shut-off valve and relief valve as well as accessories.

Fig. 1: Installation with an external impulse line



Together with the MR 50 PN 6, which was completely modernised in August 2005, Elster-Instromet can now offer a complete MR series of high-performance and compact regulators for commercial and industrial applications in the fields of gas distribution and supply.

Even old friends can sometimes surprise you – why not ask for our new datasheet, or visit our website to find out more?