

UPGRADING GAS PRESSURE REGULATION INSTALLATIONS

# MR 50 – the long and the short of it: Now available in a 200 mm version!

Gas pressure regulator systems in the past often included older 2-inch medium-pressure regulators with a length of 200 mm. Modern medium-pressure regulators with the same diameter, i.e. the ELSTER regulator MR 50, could not be used in these systems because they were longer.

As a result, the operators of such systems had to make cost-intensive modifications to their regulators if they wanted to adapt the performance in any way, e.g. if they had to change the nozzles or cut the pulse connections. ELSTER has now come to the rescue: by modifying the housing of the control element, the MR 50 is now also available in a length of 200 mm as well as the standard 220 mm version.

Even if the device is shorter, the customer can still benefit fully from all of the advantages this modern and compact medium-pressure regulator can offer. The MR 50 has an internal inlet pressure compensation, which means that the range of the gas volume to be controlled can be extended without the need for a change of nozzle. The length of the MR 50 can be adapted to fit the conditions available in terms of space. It is also possible to use the external pulse for the regulation of the highest volumes without disassembling the device.

Pressure ranges & accuracy classes for outlet pressure and safety devices

Regulator			Safety shut-off valve				Relief valve	
control pressure set range	control accuracy class	lock up pressure class	over pressure set range	over pressure accuracy class	under pressure set range	under pressure accuracy class	set range	accuracy class
[mbar]	%	%	[mbar]	%	[mbar]	%	[mbar]	%
$p_{as}$ 20-300	AC 10	SG 20	$p_{so}$ 45-500	AGo $\pm 10$	$p_{su}$ 6 - 13 $p_{su}$ >13-150	AG <sub>u</sub> 30 AG <sub>u</sub> 10	20-160 über $p_{as}$	$\pm 10$

It is already well known that the MR 50 has a high performance range of up to 430 m<sup>3</sup>/h and guarantees high-quality control over the entire inlet pressure range (50 mbar up to 1 bar). This, of course, has not changed with the new version! When it comes to the handling of the device, it's always been a compact and easy to handle regulator and we can assure you that has also stayed the same!

All of the PN 1 versions have been available in this length since the beginning of November 2003 and the devices with a pressure rate of PN 4 and PN 6 will soon follow.

Isn't it time you upgraded your gas pressure regulation installation?

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