

# M2R 50c – a missing link in the M2R 25 and M2R 75/100 team

## A strong regulator team receives further support

The series of M2R two-stage gas pressure regulators can be used in a capacity range from 6 to 100 m<sup>3</sup>/h. This means that it can be used in domestic and small commercial and even industrial installations. This team has now been supplemented with the M2R 50c, a further member to plug the gap between the two models.

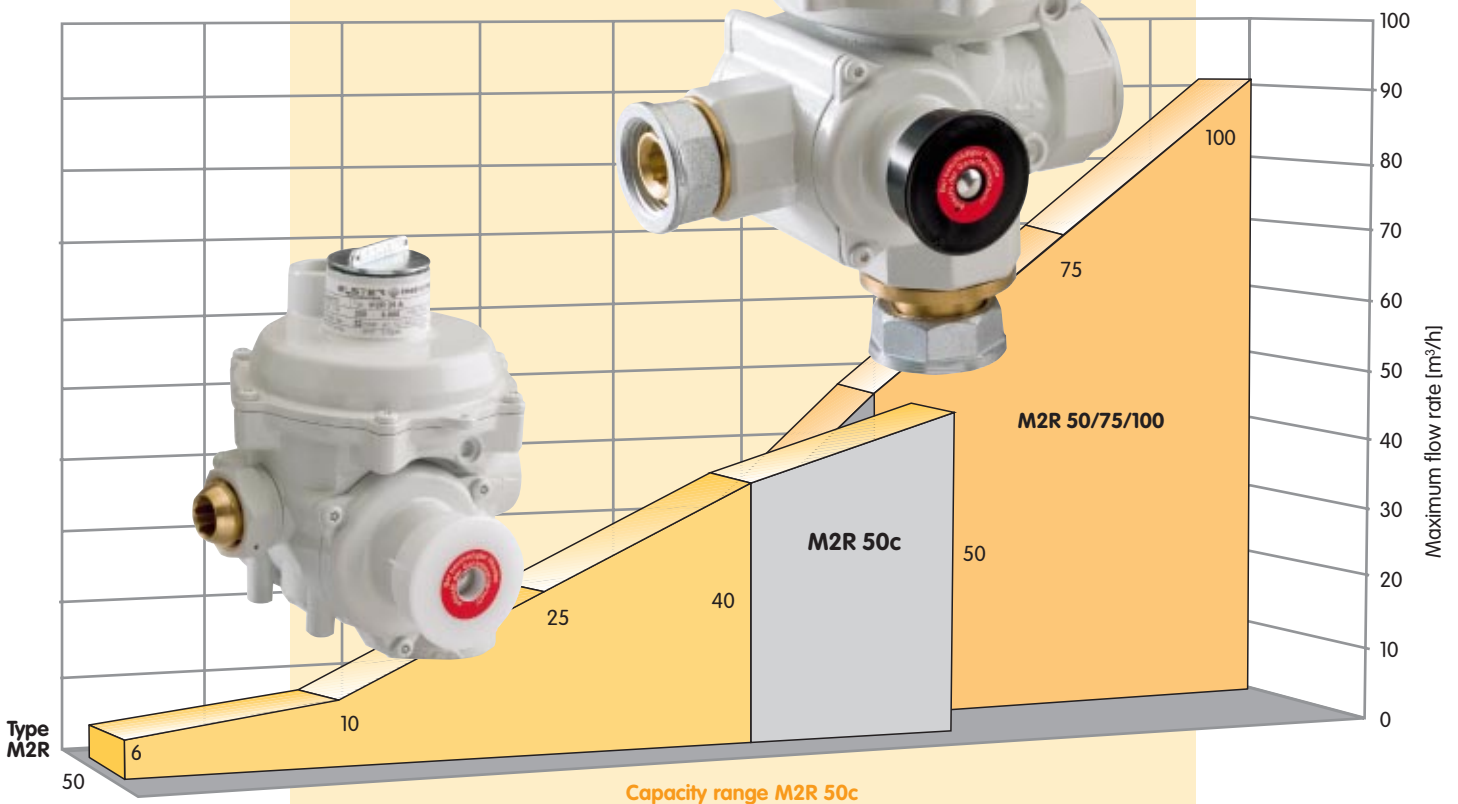
The M2R regulator series is based on two housing platforms. The units with capacities from 6 to 40 m<sup>3</sup>/h have a common basic housing while those that cover the capacity range from 50 to 100 m<sup>3</sup>/h use the larger 1" x 1 1/2" housing.

The new M2R 50c bridges the capacity range between the M2R 25 and the M2R 75. In design terms the unit is based on the housing platform used for the smaller unit but by using the first stage of the M2R 75

it has been possible to significantly extend the capacity range.

As Table 1 shows, the standard configuration of the M2R 25 without a low pressure cut-off (LPCO) already offers a maximum capacity of 40 m<sup>3</sup>/h. This has now been extended by the M2R 50c to 50 m<sup>3</sup>/h, also in the version without LPCO.

When using the larger housing, the M2R also offers a 50 m<sup>3</sup>/h version. In this size it now comes with the option of an LPCO and an extended inlet pressure range. In other words, if the system specifications allow configurations without LPCO, the M2R 50c represents an extremely compact and cost-efficient unit.



Naturally the M2R 50c offers all the good features of the series, such as great variation in the selection of the connection configurations and the familiar, time-tested handling and safety features.

Overall this means that the M2R 50c (c stands for compact) in its compact form creates an ideal link between the two models.

The modular element system for the units and the interchangeability of individual components that results from it, serves to extend the range of possible configurations. This makes the series fully adjustable to suit the customer's needs.

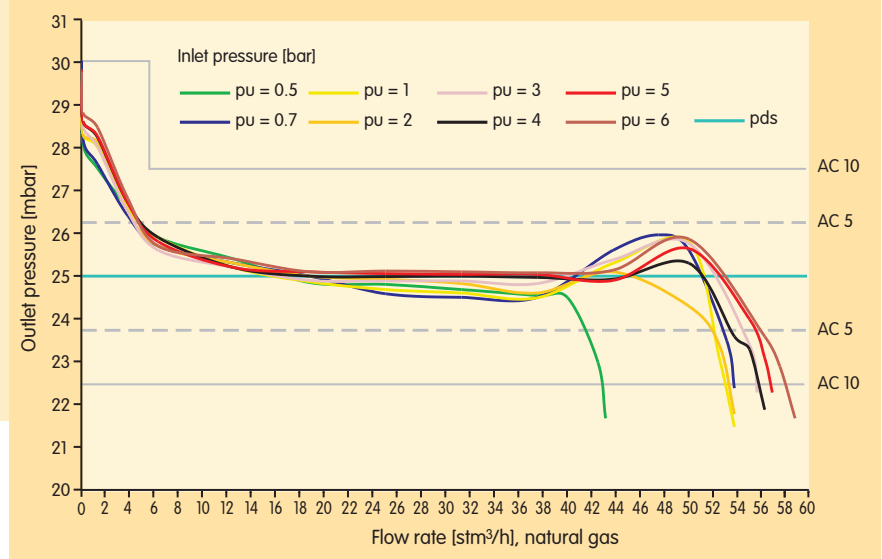
In the near future an updated version of the familiar M2R flash configurator will be launched on the internet including the new member of the team and other new connection versions. At the same time, a configurator will also be launched for the M2R 75, which will make it possible to visualise the extensive range of versions of this unit, thus facilitating the interactive selection of the appropriate unit for the customer's needs.

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**Table 1: Inlet pressure ranges – capacity**

Type	Nominal flow rate Qn natural gas [stm <sup>3</sup> /h]	Minimum inlet pressure [bar] with LPCO	Minimum inlet pressure [bar] without LPCO
M2R 6	6	0.3	
M2R 10	10	0.3	
M2R 25	25	0.7	
M2R 40	40	–	2
M2R 50c	50	–	0.7
M2R 50	50	0.5	0.2
M2R 75	75	2	0.5
M2R 100	100	–	1

**Flow diagram M2R 50c**



## Elster-Instromet will be present: International fairs worldwide 2007

<b>May</b>		
22 - 25 May	Linz, Austria	ÖVGW
<b>June</b>		
12 - 16 June	Düsseldorf, Germany	Thermprocess
26 - 29 June	Moskow, Russia	MIOGE
<b>September</b>		
24 - 29 Sept.	Plovdiv, Bulgaria	International Technical Fair (ITF)
11 - 13 Sept.	Paris, France	Expogaz
<b>October</b>		
2 - 4 Oct.	Vienna, Austria	Metering
<b>November</b>		
15 - 18 Nov.	Antalya, Turkey	Sodex