



**Meta-M HFR**



**Meta-M HFR 1000**



**Meta-M HFR I.A.**

## General features

	Meta M HFR	Meta M HFR1000	Meta M HFR IA
Technology	Piston and dynamic seals		
Reduction stages	2		
Weight	2.5 – 2.8 kg		
HxLxW	190 x 195 x 90 mm	160 x 170 x 90 mm	190 x 200 x 90 mm
Particle protection screen	10 µm class	250 µm class	10 µm class
HP sensor	optional		
SOV	12 or 24 V, embedded		
PRV (1s stage)	Embedded, ECE R110 class 1 area		
Heating circuit	Integrated, by engine coolant		

## Functional features

	Meta M HFR	Meta M HFR1000	Meta M "HFR IA"
Inlet pressure range	20 – 220 [barG]	20 – 250 [barG]	20 – 220 [barG]
Max flow rate @20 barG pIN	70 kg\h (CH <sub>4</sub> )		
Proof pressure	300 [barG]		
Nominal pressures	3,8 – 10 [barG]		5,5 – 8,5 [barG]
Ambient temperature	ECE R110: engine compartment cold climates		
Leak rate to environment	15 Ncc/h ECE R110		

## Materials

	Meta M / HFR / HFR1000 / I.A.
Body	Brass
Piston and cylinder	Aluminum
Dynamic seals	Polyurethane
Static seals	HNBR, FKM and Polyurethane or Nylon

## Type approvals

	Meta M HFR	Meta M HFR 1000	Meta M HFR I.A.
ECE R110 (and ECE R10)	✓	✓	✓
ISO 15500	-	✓	
ANSI NGV 3.1	-	✓	

