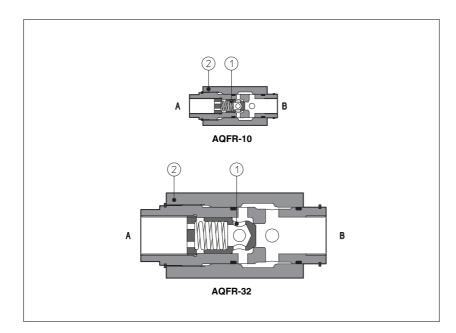


Flow restrictor valves type AQFR

in-line mounting - from G 3/8" to G 1¹/4" threaded ports



AQFR are not compensated flow throtting valves with a built-in check valve ① to allow the free flow in the opposite direction.

The flow adjustement is done by turning the external exagon (2). Clockwise rotation increases the throtting (reduced passage). The regulated flow is a function of the pressure drop existing between the inlet and outlet ports.

They are available in five sizes: from 3/8" to 1 1/4" GAS with flow up 30, 50, 80, 160, 250 l/min respectively and pressure up to 400/350 bar (depending on size).

Valves designed to operate in hydraulic systems with hydraulic mineral oil or synthetic fluid having similar lubricating characteristics.

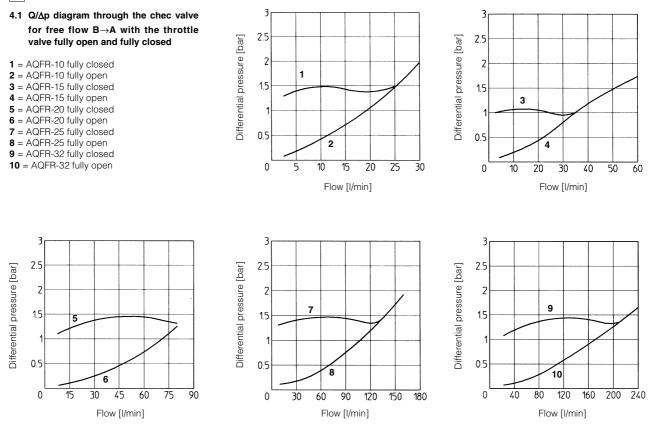
1 MODEL CODE /* AQF R 10 Throtting valve Synthetic fluids: in-line mounting WG = water-glycol PE = phosphate ester R = with check valve for free reverse flow Size and ports dimensions: 10 = G 3/8" **15** = G 1/2" **20** = G 3/4" 25 = G 1" $32 = G 1 \frac{1}{4}$ Series number

2 HYDRAULIC CHARACTERISTICS

Hydraulic symbol		A	► Ò ► B ★			
Valve model		AQFR-10	AQFR-15	AQFR-20	AQFR-25	AQFR-32
Max recommended flow	[l/min]	30	50	80	160	250
Max recommended now			350			

3 MAIN CHARACTERISTICS OF FLOW RESTRICTOR VALVES TYPE AQFR

Assembly position / location	Any position		
Ambient temperature	-20°C to +70°C		
Fluid	Hydraulic oil as per DIN 51525535; for other fluids see section 1		
Recommended viscosity	15 ÷100 mm²/sec at 40°C (ISO VG 15 ÷100)		
Fluid contamination class	ISO 19/16, achieved with in line filters at 25 μm value and $\beta_{25} \geq 75$ (recommended)		
Fluid temperature -20°C +60°C (standard and /WG seals) -20°C +80°C (/PE seals)			



5 DIMENSIONS [mm]

