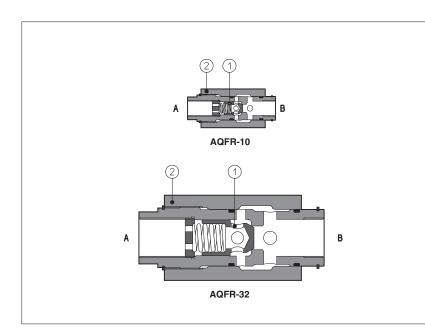


Flow restrictor valves type AQFR

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



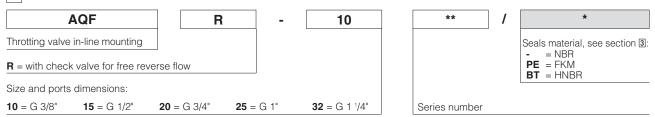
AQFR are not compensated flow throttling valves with a built-in check valve ① to allow the free flow in the opposite direction.

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).

Max flow: 250 l/min Max pressure: 400 bar

1 MODEL CODE

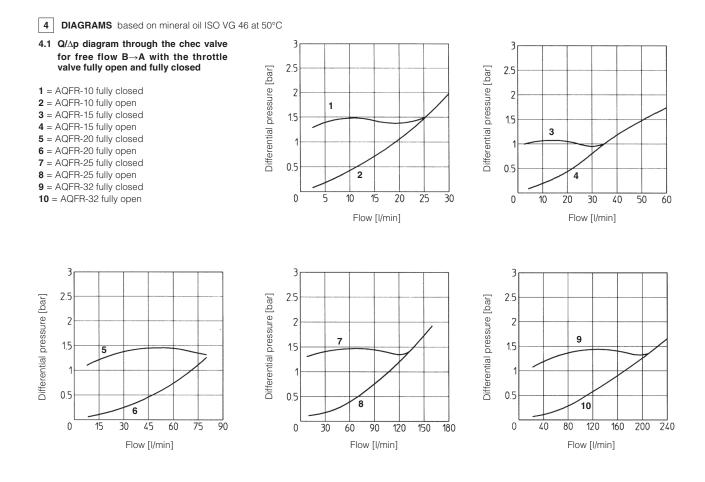


2 HYDRAULIC CHARACTERISTICS

Hydraulic symbol								
Valve model		AQFR-10	AQFR-15	AQFR-20	AQFR-25	AQFR-32		
Max recommended flow	[l/min]	30	50	80	160	250		
Max pressure	[bar]	400	350					

3 MAIN CHARACTERISTICS, SEALS AND FLUIDS - for other fluids not included in below table, consult our technical office

Assembly position	Any position					
Compliance	RoHS Directive 2011/65/EU as last update by 2015/65/EU REACH Regulation (EC) n°1907/2006					
Ambient temperature	Standard execution = $-30^{\circ}C \div +70^{\circ}C$; /PE option = $-20^{\circ}C \div +70^{\circ}C$; /BT option = $-40^{\circ}C \div +70^{\circ}C$					
Seals, recommended fluid temperature	NBR seals (standard) = $-20^{\circ}C \div +80^{\circ}C$, with HFC hydraulic fluids = $-20^{\circ}C \div +50^{\circ}C$ FKM seals (/PE option) = $-20^{\circ}C \div +80^{\circ}C$ HNBR seals (/BT option) = $-40^{\circ}C \div +60^{\circ}C$, with HFC hydraulic fluids = $-40^{\circ}C \div +50^{\circ}C$					
Recommended viscosity	15÷100 mm²/s - max allowed range 2,8 ÷ 500 mm²/s					
Max fluid contamination level	ISO4406 class 20/18/15 NAS1638 class 9, see also filter section at www.atos.com or KTF catalog					
Hydraulic fluid	Suitable seals type	Classification	Ref. Standard			
Mineral oils	NBR, FKM, HNBR	HL, HLP, HLPD, HVLP, HVLPD	DIN 51524			
Flame resistant without water	FKM	HFDU, HFDR	ISO 12922			
Flame resistant with water	NBR, HNBR	HFC				



5 DIMENSIONS [mm]

