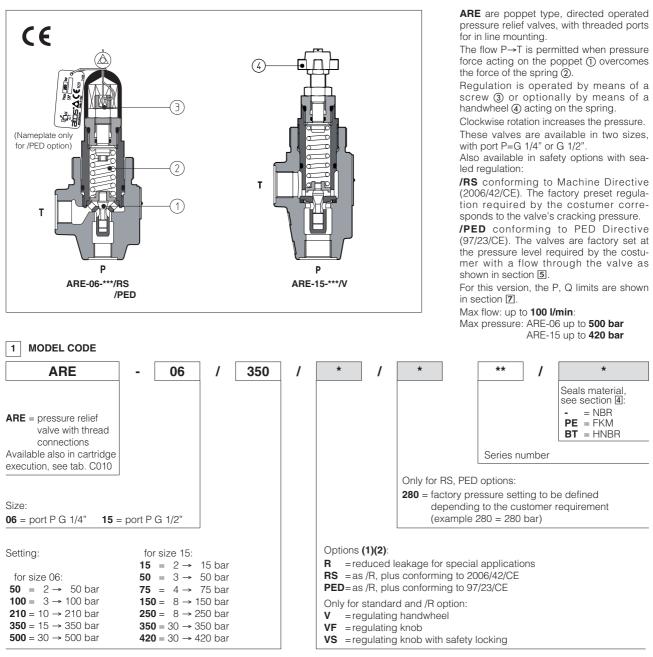


Pressure relief valves type ARE

direct operated, in line mounting - G 1/4" and G 1/2" threaded ports

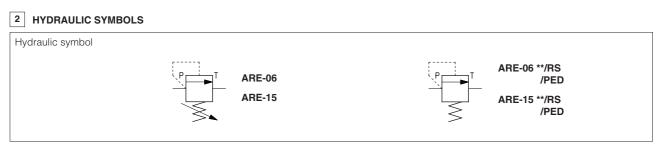


(1) For handwheel and knob features and avaibility, see section I and technical table K150.(2) Possible combined options:

RV = reduced leakages and regulating handweel

RVF = reduced leakages and regulating knob

RVS = reduced leakages and regulating knob with safety locking



3 HYDRAULIC CHARACTERISTICS

Valve model					ARE-0	6						ARE-15			
Setting	Sta	ndard	/50	/100	/210	/3	50	/500	/15	/50	/75	/150	/250	/350	/420
		/R	/50	/100	/210	/3	50	/500	/15	/50	/7	5 /	150	/250	/420
		/RS	/2	20	/270	/330	/	/350			/150	/190	/230		
		/PED	/1(00	/210	/350	/	/500		/75	/150	/250	/350	/420	
Pressure range [bar]	Sta	ndard	2÷50	3÷100	10÷210	15÷3	50	30÷500	2÷15	3÷50	4÷75	8÷150	8÷250	30÷350	30÷420
		/R	2÷50	3÷100	10÷210	15÷3	50	30÷500	2÷15	3÷50	4÷	75 8÷	-150	8÷250	30÷420
		/RS	200÷	-250 25	50÷290 2	90÷350	31	0÷370		130)÷170	170÷210) 210÷	-250	
		/PED	25÷	100 10	00÷210 2	210÷350	35	60÷500	25÷75	75÷	150	150÷250	250	÷350	350÷420
Max pressure port T [bar]		50					50								
Max flow Standard, /R [I/min] /RS, /PED		40					75								
		60					100								

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

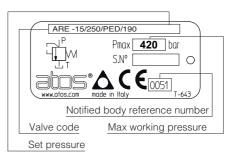
Assembly position	Any position							
	Standard execution = $-30^{\circ}C \div +70^{\circ}C$							
Ambient temperature	$/PE \text{ option} = -20^{\circ}C \div +70^{\circ}C$							
	$/BT \text{ option} = -40^{\circ}C \div +70^{\circ}C$							
Seals, recommended fluid temperature	NBR seals (standard) = $-20^{\circ}C \div +60^{\circ}C$, 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							
Fluid contamination class	ISO 4406 class 21/19/16 NAS 1638 class 10, in line filters of 25 μm (β10 ≥75 recommended)							
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	ISS TESEE					

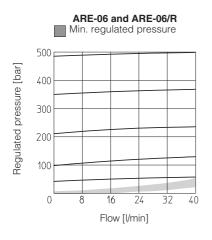
5 SETTING OF VALVES WITH /PED OPTION

The /PED valves are factory set at the pressure level required by the costumer (every 1 bar) at the following flow shown in the table. The set pressure is marked on the valve nameplate, see section 5.1

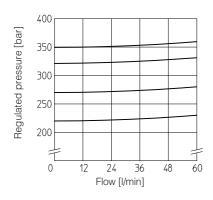
VALVE MODEL	FLOW FOR FACTORY PRESSURE SETTING (I/min)				
ARE-06	12				
ARE-15	12				

5.1 EXAMPLE OF NAMEPLATE FOR /PED OPTION

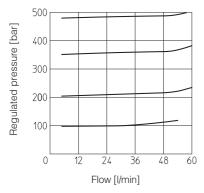




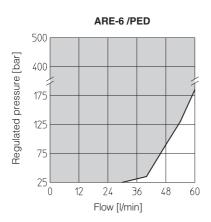




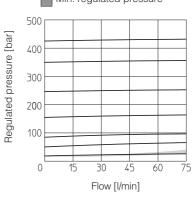




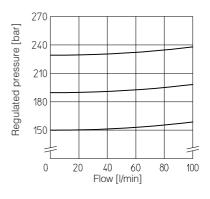
7 PERMISSIBLE RANGES (shaded area) based on mineral oil ISO VG 46 at 50°C







ARE-15 /RS



ARE-15 /PED

