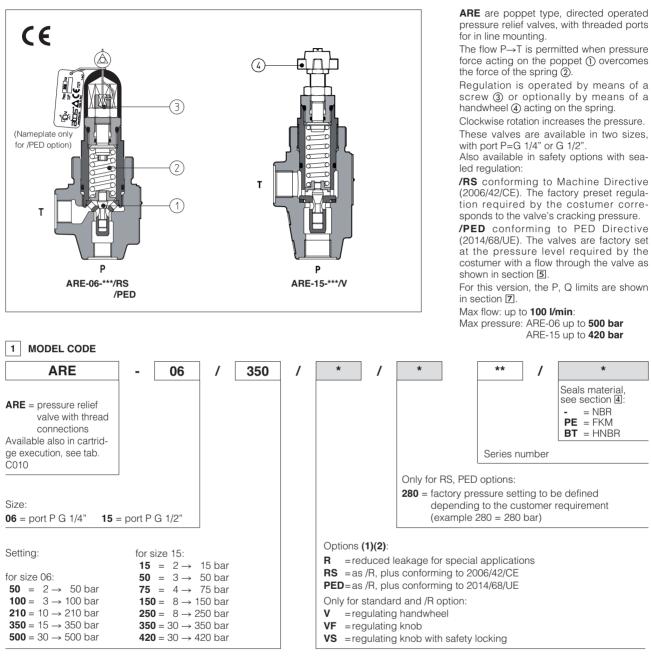


Table C020-20/E

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 Z 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

2 HYDRAULIC SYMBOLS



3 HYDRAULIC CHARACTERISTICS

Valve model					AR	E-06	6						ARE-15	5		
Setting	Stan	dard	/50	/100	/2	210	/35	50	/500	/15	/50	/75	/150	/250	/350	/420
	-	/R	/50	/100	//	210	/35	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]	Stan	dard	2÷50	3÷10	0 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÷10	0 10÷	210	15÷3	50	30÷500	2÷15	3÷50	4÷	75 8-	÷150	8÷250	30÷420
	-	/RS	200	÷250	250÷290	29	90÷350	31	0÷370		130)÷170	170÷21() 210÷	-250	
		/PED	25÷	-100	100÷210	21	10÷350	35	0÷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								
		/PED	b 60						100							

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

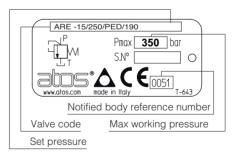
Assembly position	Any position							
	Standard execution = $-30^{\circ}C \div +70^{\circ}C$							
Ambient temperature	$/PE \text{ option} = -20^{\circ}C \div +70^{\circ}C$							
	$/BT \text{ option} = -40^{\circ}C \div +70^{\circ}C$							
Seals, recommended fluid temperature	NBR seals (standard) = $-20^{\circ}C \div +60^{\circ}C$, 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 (β25 ≥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						

5 SETTING OF VALVES WITH /PED OPTION

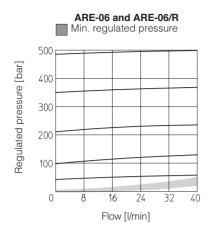
The /PED valves are factory set at the pressure level required by the costumer (every 1 bar) at the following flow shown in the table. The set pressure is marked on the valve nameplate, see section 5.1

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

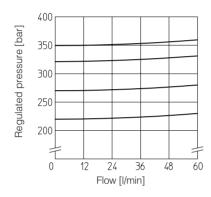
5.1 EXAMPLE OF NAMEPLATE FOR /PED OPTION



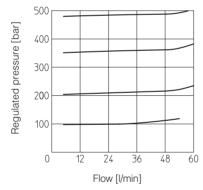
6 REGULATED PRESSURE VERSUS FLOW DIAGRAMS based on mineral oil ISO VG 46 at 50°C



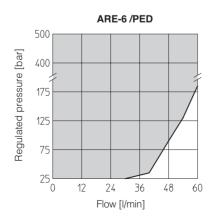


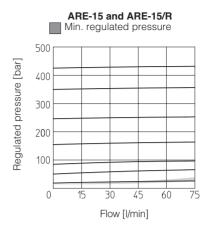












ARE-15/RS

