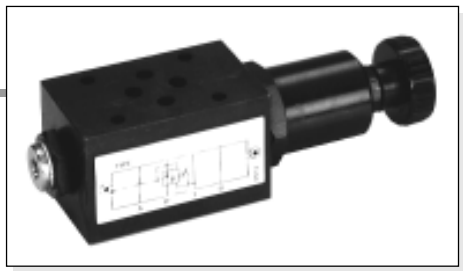


AM.3.RD... /AM.3.SD... MODULAR PRESSURE REDUCING / PRESSURE SEQUENCING VALVES CETOP 3

AM.3.RD / AM.3.SD...

SCREWS AND STUDS CH.IV PAGE 21

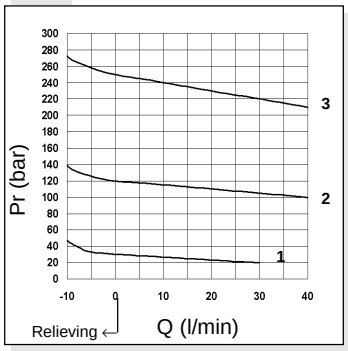
AM3RD and AM3SD valves are direct acting spool type pressure reducing and sequencing units, respectively, with one end pre-loaded by means of a spring an the other end exposed to the hydraulic pressure.
The drainage is drained within the valve to port T. Pressure is adjustable by means of a screw and locknut, or of a handwheel. Three types of springs allow adjustment within the range 2÷250 bar. The pressure reducing valves are available in two versions: with positive overlap (suitable with low flow rate) and with negative overlap to obtain a greater pressure reinstatement speed.

Max. operating pressure: port P		320 bar
Max. pressure adjustable		250 bar
Setting ranges:	spring 1	2 ÷ 30 bar
	spring 2	10 ÷ 120 bar
	spring 3	60 ÷ 250 bar
Max. flow		40 l/min
Internal drainage RD:		
Positive overlap version		0,5 l/min
Negative overlap version		2 l/min
Hydraulic fluids		Mineral oils DIN 51524
Fluid viscosity		10 ÷ 500 mm²/s
Fluid temperature		-25°C ÷ 75°C
Ambient temperature		-25°C ÷ 60°C
Max. contamination level		class 10 in accordance with NAS 1638 with filter $ß_{25}≥75$
Weight		1,3 Kg

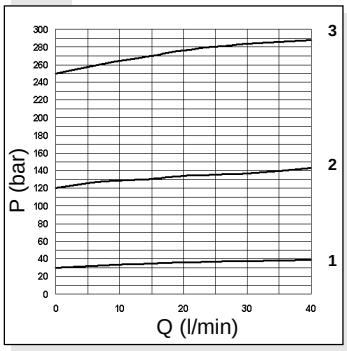
ORDERING CODE

AM	Modular valve
3	CETOP 3/NG6
******	**RD** = Direct pressure reducing valve **SD** = Direct pressure sequencing valve
*****	Control on lines AM.3.RD version = **A / P** AM.3.SD version = **P**
*****	**1** = Positive overlap **2** = Negative overlap (AM3RD only)
*****	Type of adjustment **C** = Grub screw **V** = Handwheel
*****	Setting ranges **1** = max. 2 ÷ 30 bar **(white spring)** **2** = max.10 ÷ 120 bar **(yellow spring)** **3** = max. 60 ÷ 250 bar **(green spring)**
******	**00** = No variant **V1** = Viton
3	Serial No.

PRESSURE - FLOW RATE AM3RD



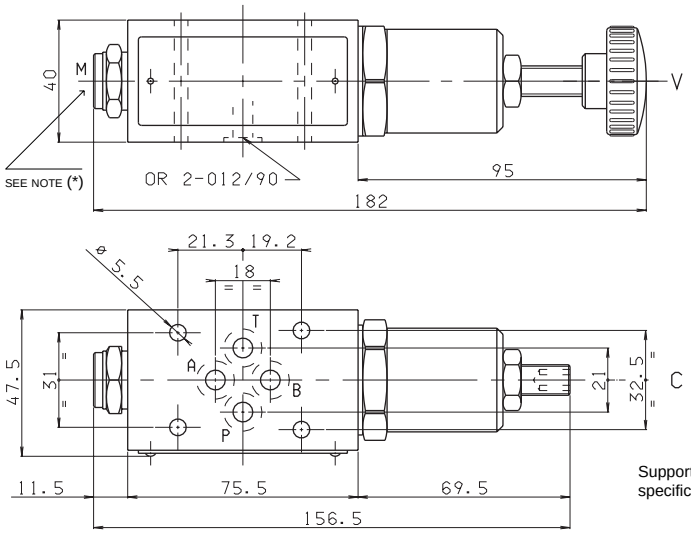
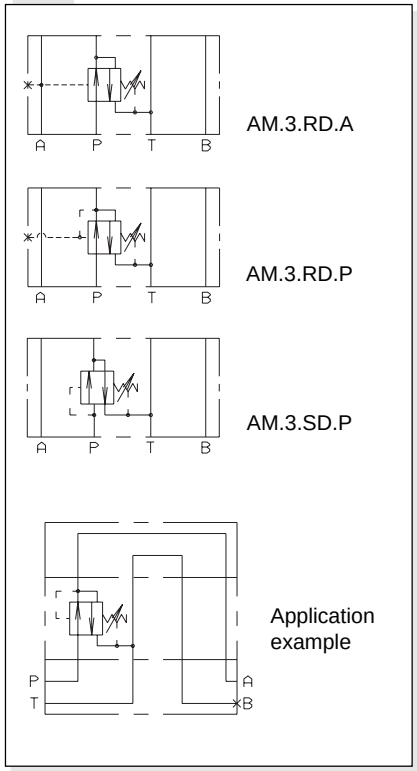
PRESSURE - FLOW RATE AM3SD



The fluid used is a mineral based oil with a viscosity of 46 mm²/sec at 40 degrees C.
The tests have been carried out at with a fluid temperature of 40 degrees C.

OVERALL DIMENSIONS

(*) Max. tightening torque to manometer port = 30 Nm / 3 Kgm



HYDRAULIC SYMBOLS