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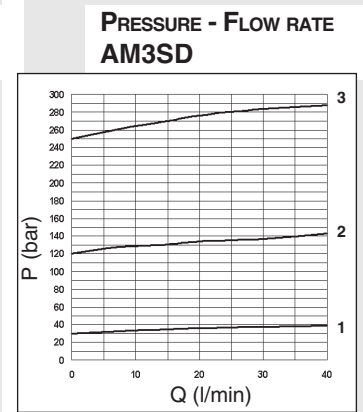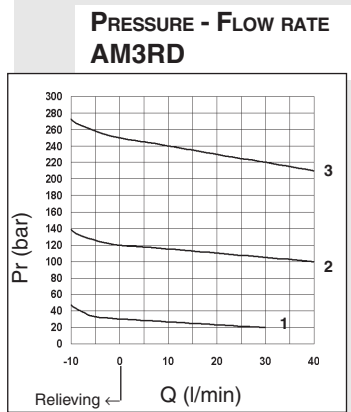## REDUCING / PRESSURE SEQUENCING VALVES CETOP 3

brevini fluid power

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.

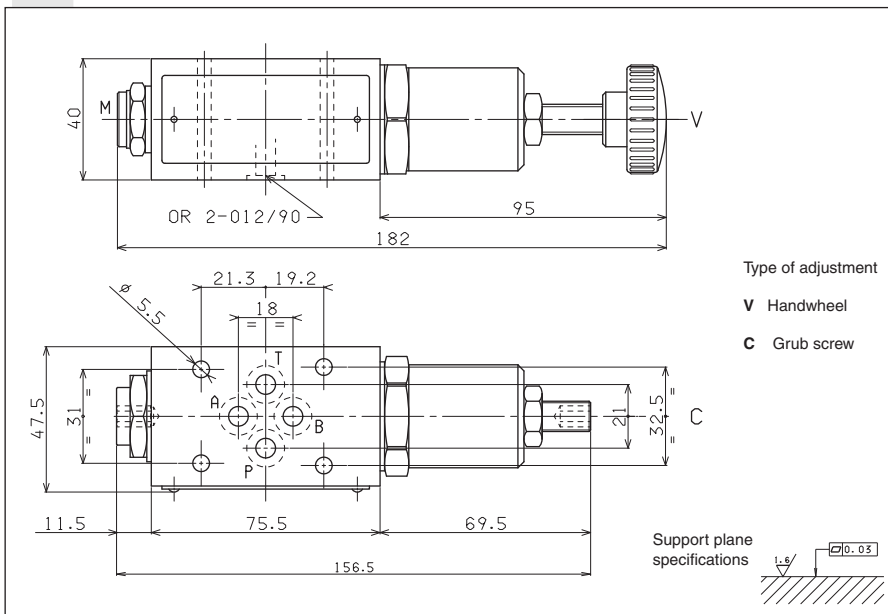|	
Max. operating pressure: port P	350 bar
Max. pressure adjustable	250 bar
Setting ranges: spring 1	2 ÷ 30 bar
spring 2	10 ÷ 120 bar
spring 3	60 ÷ 250 bar
Max. flow	40 l/min
Internal drainage RD:	
Positive overlap version	0,5 l/min
Negative overlap version	2 l/min
Hydraulic fluids	Mineral oils DIN 51524
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 $\beta_{25} \geq 75$
Weight	1,3 Kg

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

SCREWS AND STUDS   CH. IV PAGE 21

ORDERING CODE

4

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
Omit for version AM3SD

*   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

4   Serial No.

PRESSURE - FLOW RATE AM3RD

Pr (bar) / Q (l/min) / Relieving ←

PRESSURE - FLOW RATE AM3SD

P (bar) / Q (l/min)

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

OR 2-012/90
182
95

Type of adjustment
V Handwheel
C Grub screw

Support plane specifications

HYDRAULIC SYMBOLS

AM.3.RD.A

AM.3.RD.P

AM.3.SD.P

Application example