AM.3.RD... /AM.3.SD... MODULAR PRESSURE REDUCING / PRESSURE SEQUENCING VALVES CETOP 3 aron
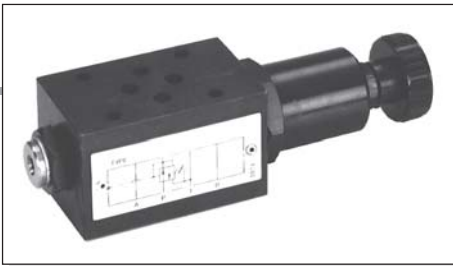
AM.3.RD / AM.3.SD...	
SCREWS AND STUDS	CH. IV PAGE 21

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	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 ß$_{25}$≥75
Weight	1,3 Kg

ORDERING CODE
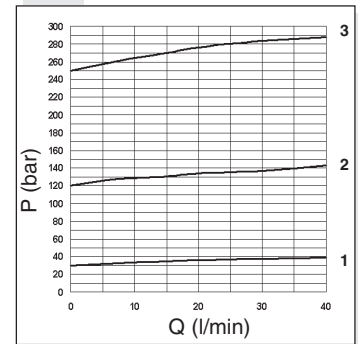
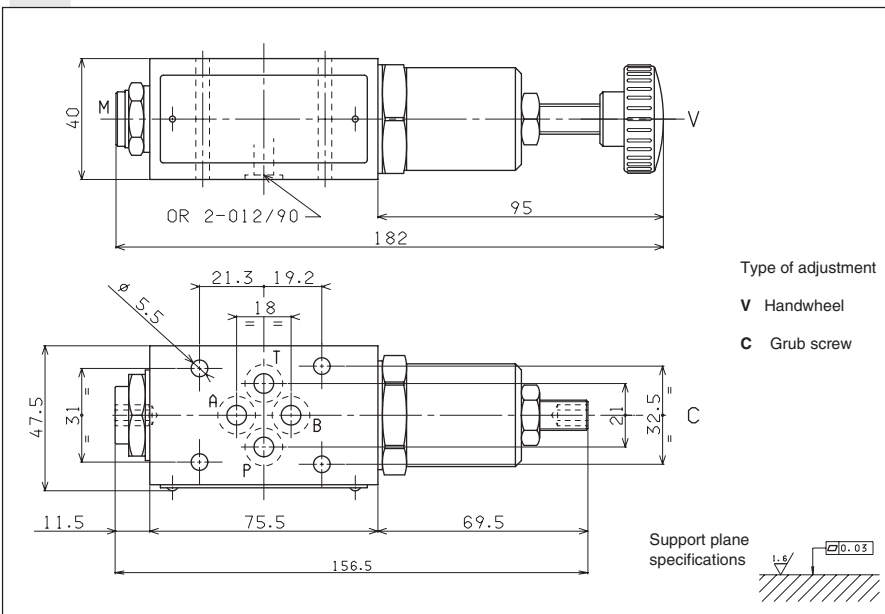|	
AM	Modular valve
3	CETOP 3/NG6
**	**RD** = Direct pressure reducing valve **SD** = Direct pressure sequencing valve
*	Control on lines AM.3.RD version = **A / P** AM.3.SD version = **P**
*	**1** = Positive overlap **2** = Negative overlap Omit for version AM3SD
*	Type of adjustment **C** = Grub screw **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
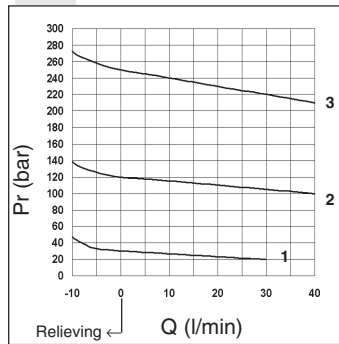
PRESSURE - FLOW RATE AM3SD

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

OR 2-012/90

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