

## Клапаны с выбросом ARON CETOP 3 / NG06 AM.3, AM.3.VR

### Технические характеристики

|                             |                            |                                 |                                |                          |
|-----------------------------|----------------------------|---------------------------------|--------------------------------|--------------------------|
| Архангельск (8182)63-90-72  | Ижевск (3412)26-03-58      | Магнитогорск (3519)55-03-13     | Пермь (342)205-81-47           | Сургут (3462)77-98-35    |
| Астана (7172)727-132        | Иркутск (395)279-98-46     | Москва (495)268-04-70           | Ростов-на-Дону (863)308-18-15  | Тверь (4822)63-31-35     |
| Астрахань (8512)99-46-04    | Казань (843)206-01-48      | Мурманск (8152)59-64-93         | Рязань (4912)46-61-64          | Томск (3822)98-41-53     |
| Барнаул (3852)73-04-60      | Калининград (4012)72-03-81 | Набережные Челны (8552)20-53-41 | Самара (846)206-03-16          | Тула (4872)74-02-29      |
| Белгород (4722)40-23-64     | Калуга (4842)92-23-67      | Нижний Новгород (831)429-08-12  | Санкт-Петербург (812)309-46-40 | Тюмень (3452)66-21-18    |
| Брянск (4832)59-03-52       | Кемерово (3842)65-04-62    | Новокузнецк (3843)20-46-81      | Саратов (845)249-38-78         | Ульяновск (8422)24-23-59 |
| Владивосток (423)249-28-31  | Киров (8332)68-02-04       | Новосибирск (383)227-86-73      | Севастополь (8692)22-31-93     | Уфа (347)229-48-12       |
| Волгоград (844)278-03-48    | Краснодар (861)203-40-90   | Омск (3812)21-46-40             | Симферополь (3652)67-13-56     | Хабаровск (4212)92-98-04 |
| Вологда (8172)26-41-59      | Красноярск (391)204-63-61  | Орел (4862)44-53-42             | Смоленск (4812)29-41-54        | Челябинск (351)202-03-61 |
| Воронеж (473)204-51-73      | Курск (4712)77-13-04       | Оренбург (3532)37-68-04         | Сочи (862)225-72-31            | Череповец (8202)49-02-64 |
| Екатеринбург (343)384-55-89 | Липецк (4742)52-20-81      | Пенза (8412)22-31-16            | Ставрополь (8652)20-65-13      | Ярославль (4852)69-52-93 |
| Иваново (4932)77-34-06      | Киргизия (996)312-96-26-47 | Казахстан (772)734-952-31       | Таджикистан (992)427-82-92-69  |                          |

Единый адрес для всех регионов: [any@nt-rt.ru](mailto:any@nt-rt.ru) || [www.aron.nt-rt.ru](http://www.aron.nt-rt.ru)



### AM.3.VR...

CVR.20... CH. V PAGE 23

SCREWS AND STUDS CH. IV PAGE 21

## AM.3.VR... MODULAR REDUCING VALVES WITH RELIEVING - PILOT OPERATED CETOP 3

These pressure reducing valves ensure a minimum pressure variation on the P or A port with changing flow rate up to 90 l/min.

Three spring types allow adjustment within the range 7 ÷ 250 bar. Manual adjustment is available by a grub screw or plastic knob.

The RELIEVING SYSTEM inside the valve AM3VR allows the passage from the setting pressure line to T line of the flow through the valve to avoid the increasing of pressure in the reduced-pressure line by diverting exceeding flow to reservoir. A bypass module with check valve for free flow from A to AR port (see hydraulic symbol) is available..

|                         |                       |
|-------------------------|-----------------------|
| Max. operating pressure | 350 bar               |
| Setting ranges:         | spring 1 max. 60 bar  |
|                         | spring 2 max. 120 bar |
|                         | spring 3 max. 250 bar |

**Maximum allowed  $\Delta p$  pressure between the inlet and outlet pressure** 150 bar

|                          |                                                                       |
|--------------------------|-----------------------------------------------------------------------|
| Max. flow                | 40 l/min                                                              |
| Draining on port T       | 0,5 ÷ 0,7 l/min                                                       |
| Hydraulic fluids         | Mineral oils DIN 51524                                                |
| Fluid viscosity          | 10 ÷ 500 mm <sup>2</sup> /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                   | 1,36 Kg                                                               |
| Weight bypass version    | 2 Kg                                                                  |

### ORDERING CODE

AM

Modular valve

3

CETOP 3/NG6

VR

Pilot operated pressure reducing valve with relieving

\*

Control on lines

P = Drain on T

A = Drain on T

D = Drain on B reduct pressure on A

\*

Drain connection

E = External (only for control on the P line)

I = Internal (Standard)

B

Version with bypass on line A only

**Omit if not required**

\*

Type of adjustment

M = Plastic knob

C = Grub screw

\*

Setting ranges

1 = max. 60 bar (white spring)

2 = max. 120 bar (yellow spring)

3 = max. 250 bar (green spring)

\*\*

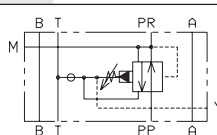
00 = No variant

V1 = Viton

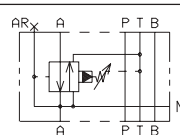
1

Serial No

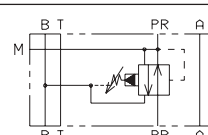
### HYDRAULIC SYMBOLS



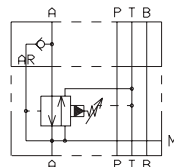
AM.3.VR.P...



AM.3.VR.A...



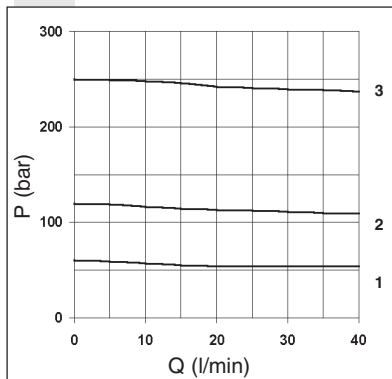
AM.3.VR.D...



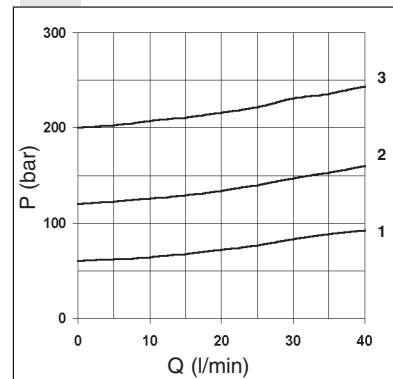
AM.3.VR.A... +  
Bypass

Version with check valve

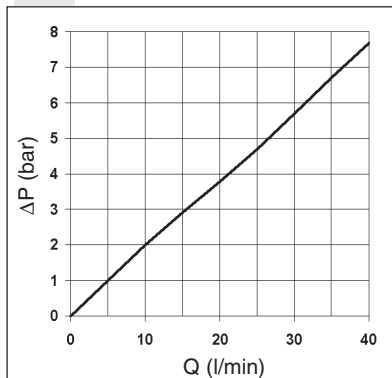
### PRESSURE-FLOW RATE



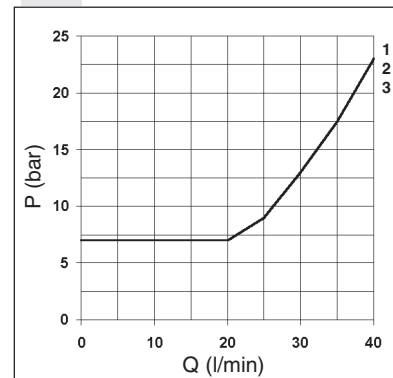
### PRESSURE-FLOW OF RELIEVING



### $\Delta P$ AM.3.VR... + BYPASS



### MINIMUM SETTING PRESSURE



To change valves AM.3.VR.P... from internal to external drainage it is necessary:

- screw out the plug on the "Y" port
- screw out the plug T.C.E.I. M8x1 from the body
- screw in a screw S.T.E.I. M6
- rescrew the T.C.E.I. M8x1 plug on the body

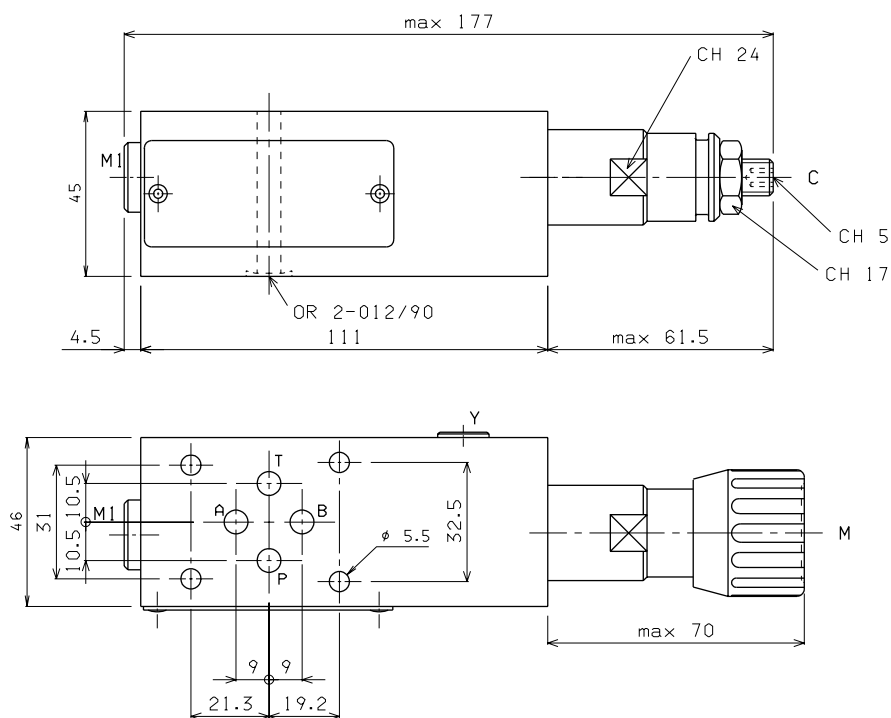
**NOTE:** the external draining can be used as a piloting line (please, contact our Technical Service for other informations)

Curves n° 1 - 2 - 3 = setting ranges

The fluid used is a mineral oil with a viscosity of 46 mm<sup>2</sup>/s at 40°C. The tests have been carried out at a fluid temperature of 50°C.

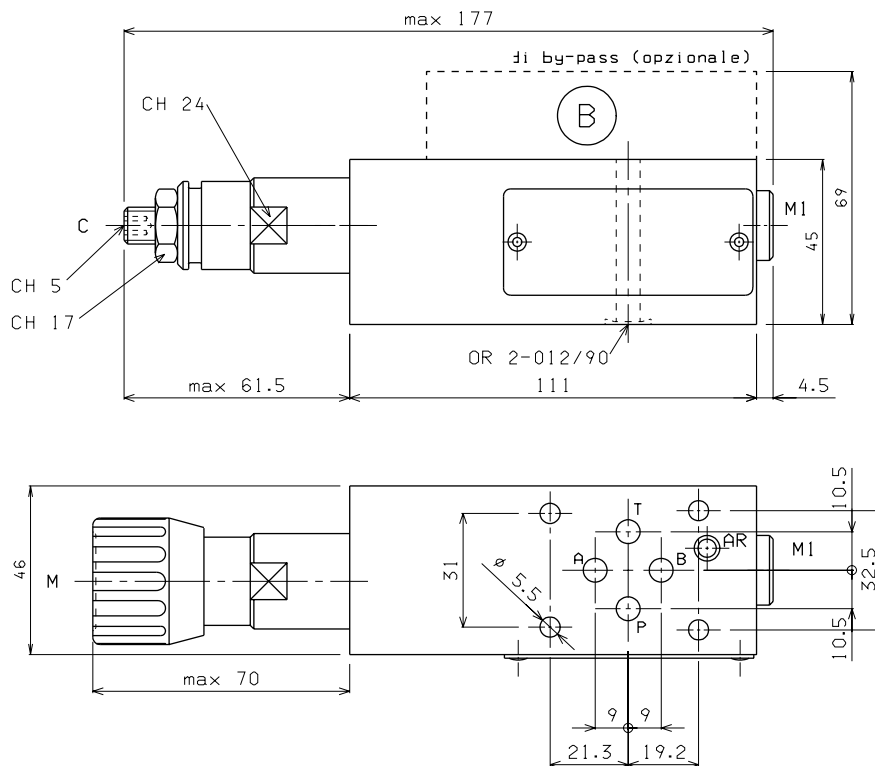
## OVERALL DIMENSIONS

### AM.3.VR.P... / AM.3.VR.D...



### AM.3.VR.A... + BYPASS

Ⓑ Bypass (optional)  
Ordering code:  
V89.45.000  
(if ordered separately)

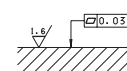


Type of adjustment

**M** Plastic knob

**C** Grub screw

Support plane  
specifications



|                             |                            |                                 |                                |                          |
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