# A.66... MODULAR FLOW CONTROL VALVES FAST / SLOW ASSEMBLY CETOP 3

| A.66... | |
|---|---|
| "D15" DC COILS | CH. I PAGE 67 |
| "K12" AC COILS | CH. I PAGE 18 |
| STANDARD CONNECTORS | CH. I PAGE 19 |
| QC.3.2... | CH. III PAGE 2 |
| SCREWS AND STUDS | CH. IV PAGE 21 |

This is modular assembly ON/OFF solenoid valve which, by fitting suitable 2 way regulator, allows two speed operation in the same system via an electrical changeover command.

**The flow rate regulator type QC.3.2... must be ordered separately.**
**The operational limit curves have been obtained with the regulator fully closed, and those same limits improve gradually with the opening of the regulator**
**• Solenoids used are standard type D15 for DC voltage and K12 for AC voltage.**

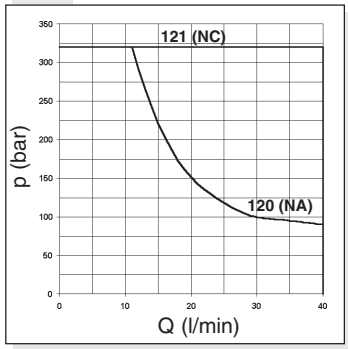
| | |
|---|---|
| Max. operating pressure | 320 bar |
| Hydraulic fluids | Mineral oils DIN 51524 |
| Fluid viscosity | 10 ÷ 500 mm²/s |
| Fluid temperature | -25°C ÷ 75°C |
| Ambient temperature | -25°C ÷ 60°C |
| Max. contamination level | class 10 in accordance with NAS 1638 with filter $\beta_{25} \geq 75$ |
| Weight with an AC solenoid | 2,2 Kg |
| Weight with a DC solenoid | 2,4 Kg |

The test have been carried out at operating temperature, with a voltage 10% lower than rated voltage and with a fluid temperature of 50 degrees C. The fluid used was a mineral based oil with a viscosity of 46 mm²/s at 40 degrees C.

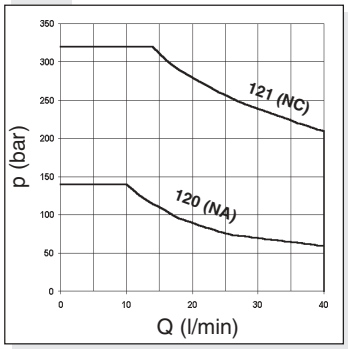
## ORDERING CODE

| | |
|---|---|
| **A** | Speed control valve |
| **66** | Size |
| **E** | Electrical operator |
| *** | **120** = Normally open<br>**121** = Normally closed<br>See table hydraulic symbols |
| * | Control on lines **A/B/P/T** (see symbols)<br>The interface holder "H" must be turned by 180° in order to obtain the **A1** and **B1** versions. |
| * | Voltage: see tab.1 |
| ** | Variants: see tab.2 |
| * | **3** = Serial No. for AC voltage<br>**4** = Serial No. for DC voltage |

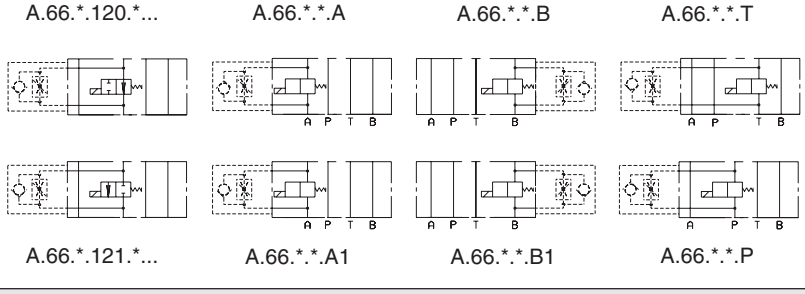
## LIMITS OF USE DC SOLENOID




## LIMITS OF USE AC SOLENOID




## HYDRAULIC SYMBOLS




## TAB.1 "E" OPERATOR TYPE

| | AC VOLTAGE | |
|---|---|---|
| **A** | 24V/50Hz | |
| **B** | 48V/50Hz* | |
| **J** | 115V/50Hz - 120V/60Hz | |
| **Y** | 230V/50Hz - 240V/60Hz | |
| **E** | 240V/50Hz* | |
| **F** | 24V/60Hz* | |
| **K** | AC without coils | |
| | **DC VOLTAGE** | |
| **L** | 12V | 115Vac/50Hz 120Vac/60Hz with rectifier |
| **M** | 24V | |
| **V** | 28V* | |
| **N** | 48V* | |
| **Z** | 102V* | 230Vac/50Hz 240Vac/60Hz with rectifier |
| **P** | 110V* | |
| **X** | 205V* | |
| **W** | DC without coils | |

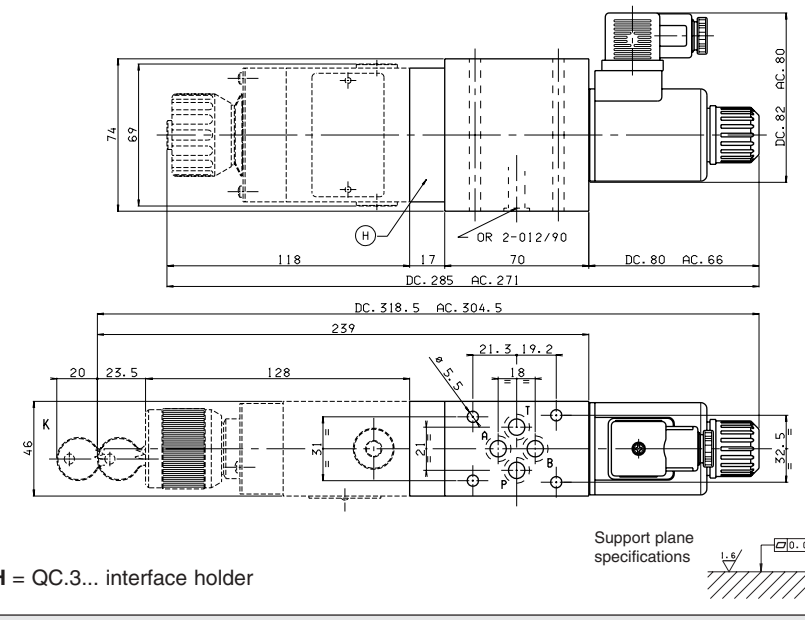
Voltage codes are not stamped on the plate, their are readable on the coils.

(*) Special voltage

## TAB.2 - VARIANTS

| | |
|---|---|
| No variant (connectors as in the drawing) | 00 |
| Viton | V1 |
| Indicator light | X1 |
| Rectifier | R1 |
| Cable gland "PG11" | C1 |
| Valve without connector (coil) | S1 |
| Indicator light + rectifier | XR |

## OVERALL DIMENSIONS




**H** = QC.3... interface holder

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