

ALV Data Sheet

Low Watt
for AS interface



Model No.

ALV510F3C3

ATEX
Ex ia IIC T6



Product Line

ALV Series Namur Valve Controller (Namur Solenoid Valve)

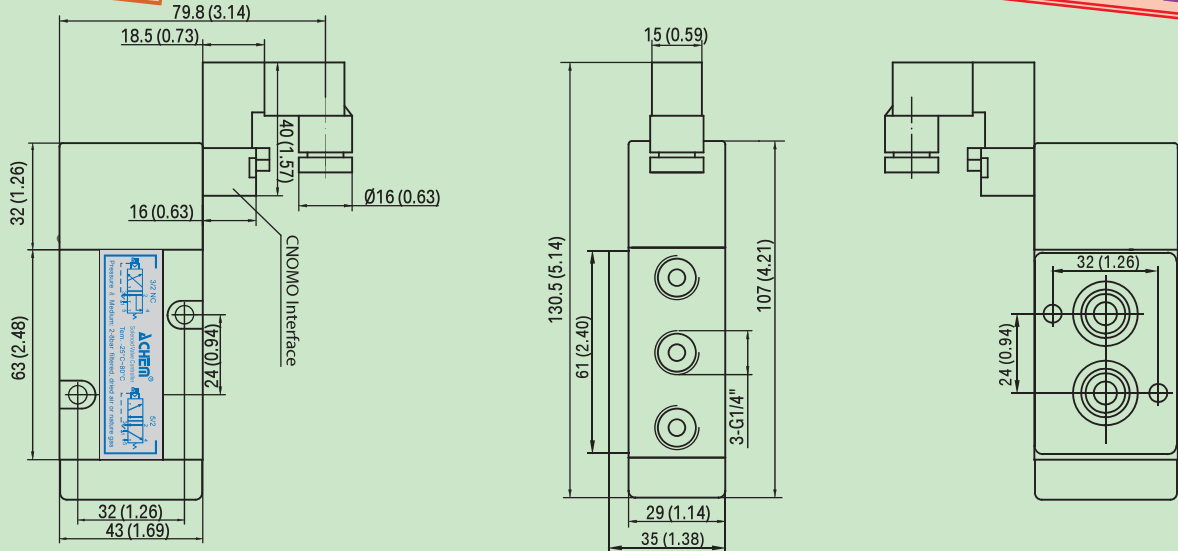
Low Watt
for PLC



BOTH FOR
3/2 and 5/2



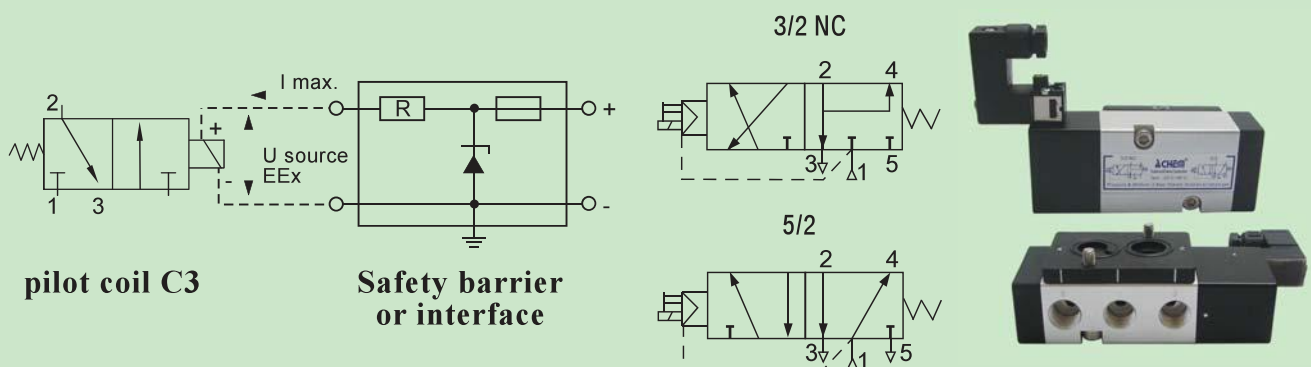
DRAWING AND DIMENSION



SPECIFICATIONS

| | |
|----------------------------|---|
| Spool Valve/Body | Extruded aluminum with Anodized coated, Buna Sealed 5/2 and 3/2, CV=1.1, Air ports 1/4" BSPP or NPT |
| Connection | 24x32 Namur connected, Manual override on the pilot valve. |
| Coil(C3) | 24VDC-0.7W, Ex ia IIC T6 |
| Working Environment | -10°C~50°C, Outdoor and Indoor |
| Working Medium | 40 micron filtered and dried air at 2~8Bar. |

WIRING AND FUNCTION



The pilot coil C3 must be connected individually to an approved safety barrier. Placed in safe zone, these safety barriers can be used to supply the pilot coil C3 installed in a hazardous zone.

U_{source} EEx = intrinsically safe power source at the terminals of the pilot coil C3

I_{max}/coil= maximum current through the coil

C_{int}= internal capacity of the solenoid valve

R= internal resistance of the solenoid valve

The electrical connection between the safety barrier (or interface) and the pilot coil C3 can be made using ordinary wires or cables.

The inductance of the connecting line between the safety barrier and the pilot coil C3 must be less than 0.5mH.