

Direct Mount (NAMUR) Valve

5/2 Single Solenoid 341Y

5/2 Double Solenoid 342Y

5/3 Double Solenoid 343Y



Features

- Pilot operated 4 way valve (Convertible to 3 way)
- Direct mounting to pneumatic actuator
- Compact spool valve
- Standard Push Button Manual Override (Optional Lever-Lock Manual Override)
- Long life cycle (1 Million)
- Single and double solenoid
- Coil availability (Flying lead / 22mm DIN)
- Aluminum valve body, 1/4" Pipe size (G, NPT connection)

Mechanical characteristics

Standard material of construction

- Body: Aluminum (Diecasting)
- Spool: Aluminum (Diecasting)
- Seals: NBR
- Springs: Stainless Steel
- Sleeve tube: Stainless Steel
- Cap: Zinc (Pressure diecasting)

Compatible Fluid

- Lubricated Air, Non-Lubricated Air, Inert Gases and other gases compatible with materials of construction

Electrical characteristics

Voltages

- DC: 24
- AC: 110/50-120/60, 220/50-240/60

Voltage Tolerance

- Plus & Minus 10%

Coil Insulation Class

- "F": 155°C (311°F)

Electrical Connections

- Leaded, DIN

Ambient Temperature

- 5°C ~ 60°C (23°F ~ 140°F)

Maximum Fluid Temperature

- 60°C (140°F)

Options

DIN Connector

- PES5: DIN Connector (without lamp)
- PES5 L-24V: DIN Connector (with lamp), DC 24V
- PES5 L-110V: DIN Connector (with lamp), AC 110V/50Hz, 120V/60Hz
- PES5 L-220V: DIN Connector (with lamp), AC 220V/50Hz, 240V/60Hz

Conversion plate

- CP01: Conversion plate from 4 way to 3 way

Pressure Vessel Specifications

Pressure vessel Catalog number	Description	Cv	Operating Pressure		Temperature Range		Response Time (at 5 bar)
			Min.	Max.	Min.	Max.	
G1/4							
341Y312UNM0	5/2 Single Solenoid	1.6	1.5 bar	10 bar	5°C	60°C	30ms or less
342Y312UNM0	5/2 Double Solenoid	1.6	1.0 bar	10 bar	5°C	60°C	30ms or less
343Y312SNM0	5/3 Double Solenoid	1.0	2.0 bar	10 bar	5°C	60°C	40ms or less
1/4" NPT							
341Y332UNM0	5/2 Single Solenoid	1.6	1.5 bar	10 bar	5°C	60°C	30ms or less
342Y332UNM0	5/2 Double Solenoid	1.6	1.0 bar	10 bar	5°C	60°C	30ms or less
343Y332SNM0	5/3 Double Solenoid	1.0	2.0 bar	10 bar	5°C	60°C	40ms or less

Note: Above 6 vessels have standard Push Button Manual Override.

If you need optional "Lever-Lock" Manual Override, please change the last two digit from "MO" to "ML".

Coil Specifications

Coil Catalog Number	Description	Power Consumption		Max Ambient Temp.
		DC	AC	
Flying lead				
PEC5-24V	Coil (length 500 mm), Class F, DC24V	2.5W	-	60°C (140°F)
PEC5-110V	Coil (length 500 mm), Class F, AC 110/50Hz-120/60Hz	-	2.5W	60°C (140°F)
PEC5-220V	Coil (length 500 mm), Class F, AC 220/50Hz-240/60Hz	-	2.5W	60°C (140°F)
DIN (Ordinary location)				
PEC5-D-24V	DIN coil, Class F, DC 24V	2.5W	-	60°C (140°F)
PEC5-D-110V	DIN coil, Class F, AC 110/50Hz-120/60Hz	-	2.5W	60°C (140°F)
PEC5-D-220V	DIN coil, Class F, AC 220/50Hz-240/60Hz	-	2.5W	60°C (140°F)
DIN (Hazardous location, EEx m II T4)				
PEC5-22EX-24V	DIN coil with 3000mm cable, Class F, DC 24V	5.0W	-	60°C (140°F)
PEC5-22EX-110V	DIN coil with 3000mm cable, Class F, AC 110-120/50-60Hz	-	5.0W	60°C (140°F)
PEC5-22EX-220V	DIN coil with 3000mm cable, Class F, AC 220-240/50-60Hz	-	5.0W	60°C (140°F)

Note: In using DIN coil, you should use DIN connector (see options).

All DIN coils are 22mm DIN standard, DIN43650B. All coils are IP65 protection.

Valve Odring

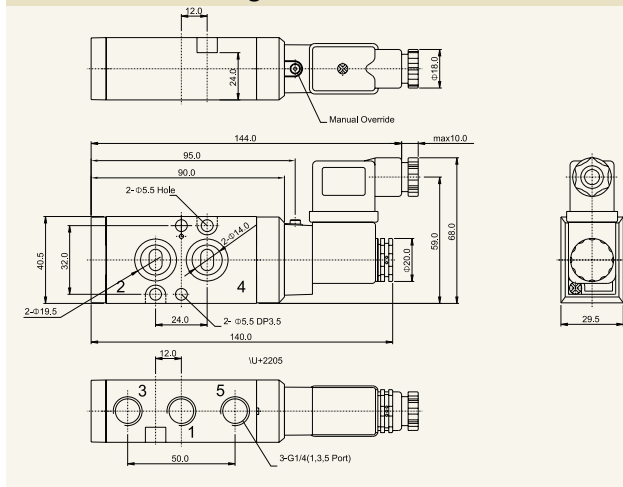
- Step 1: Select the appropriate pressure vessel
- Step 2: Select the type of manual override
If you need optional "Lever-Lock" Manual Override, please change the last two digit from "MO" to "ML"
- Step 3: Select the appropriate coil
- Step 4: If you use DIN coil, you should order DIN connector

Ordering example:

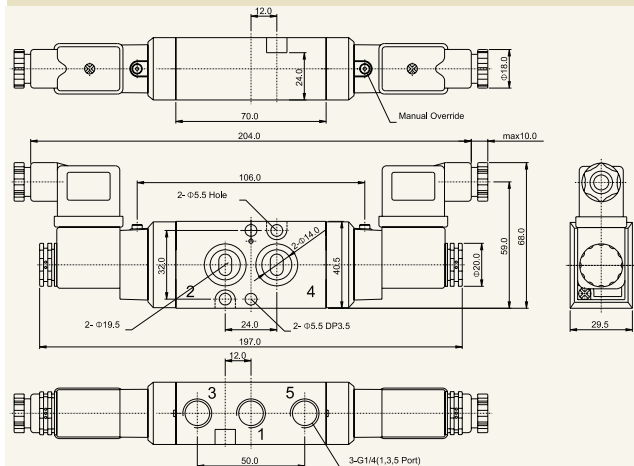
- 100 nos of 341Y312UNML
- 100 nos of PEC5-D-220V
- 100 nos of PES5 L-220V

Drawing

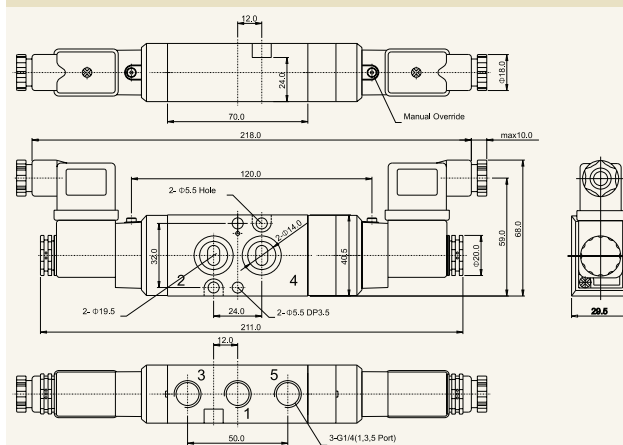
5/2 Single Solenoid + DIN Coil



5/2 Double Solenoid + DIN Coil



5/3 Double Solenoid + DIN Coil



CP01 Conversion Plate

