

COMPACT VALVE

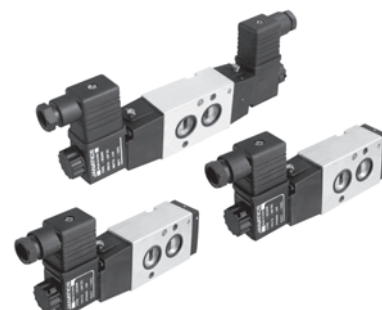
(NAMUR Standard) Series DS3

Cat No DS3 - 01 - 01 - A

COMPACT VALVE - G1/4

Features

- ☐ Suitable for 'NAMUR' standard fitments
- ☐ Compact size
- ☐ Manual override
- ☐ Wide range of coil voltages



Technical Specifications

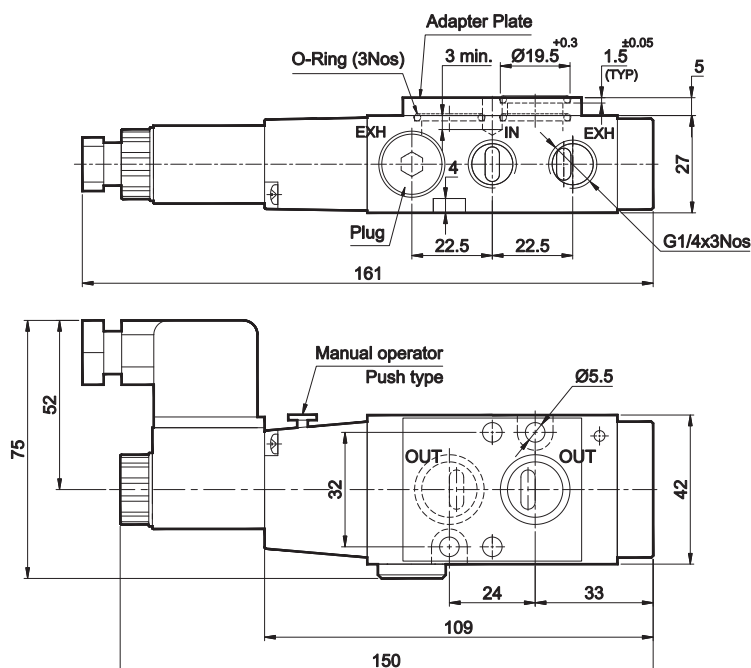
Model	DS3	
Type	3/2 Single Solenoid, 5/2 Single Solenoid & Double solenoid	
Design	Spool type with NAMUR hole pattern	
Port size	Inlet, Exhaust - G1/4	Outlet - NAMUR hole pattern
Medium	Compressed air, Filtered, Lubricated	
Working pressure range	2 - 10 bar	
Ambient temperature	-10° to +60° C	
Medium temperature	+5° to +50° C	
Flow @	1400 lts/min	
Mounting type	2 holes in Housing to NAMUR standard with Combination head screw (M5x30) - 2nos., O Ring (Ø16xØ2) - 2nos.	
Materials of construction	Aluminium, Nitrile, Brass, Steel, Acetal, PBT, Zinc	
Product weight	Single Solenoid - 350gms, Double Solenoid - 440gms	
Electrical		
	Standard	Flame proof
Coil width	22 mm	22 mm
Voltage (V) ± 10%	AC (50 Hz) - 24, 48, 110, 220	AC - 220 V
	DC - 12, 24, 48, 110	DC - 24
Power consumption	AC - 6 VA, DC - 5 W	AC - 3 VA, DC - 3 W
Duty cycle	Continuous	Continuous
Class of insulation	Class F	Class H
Type of coil protection	IP65	IP66
Cable entry	PG9 (Suitable for Ø6 - Ø8 OD cable (2wire/3wire))	1.2 meter cable length

@ Inlet pressure 6 bar, and pressure drop 1 bar

COMPACT VALVE (NAMUR Standard) Series DS3

Cat No DS3 - 01 - 01 - A

3 / 2 Normally opened single solenoid pilot operated valve with spring return

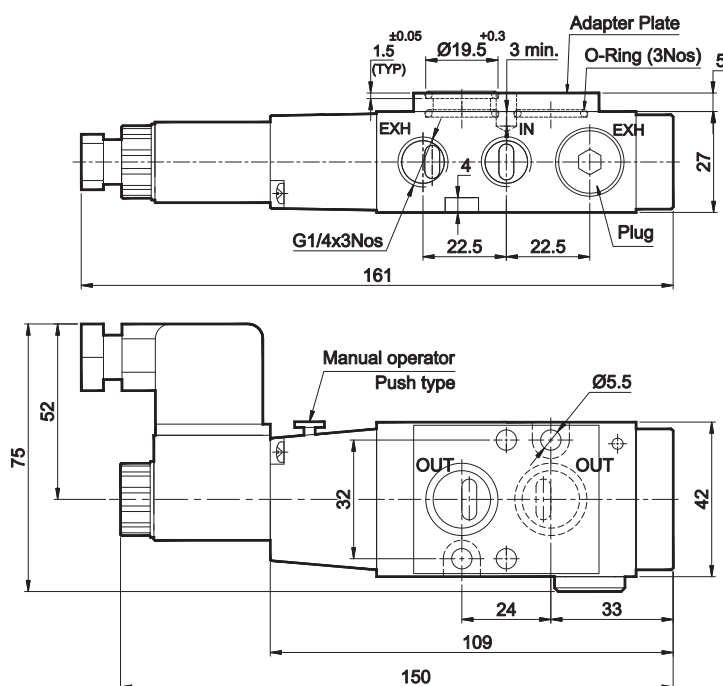


1 - Inlet, 2 - Outlet, 3 - Exhaust

Ordering No*	DS335SR61
Type	Normally open
Symbol	

* For ordering No, voltage to be added

3 / 2 Normally closed single solenoid pilot operated valve with spring return



1 - Inlet, 2 - Outlet, 3 - Exhaust

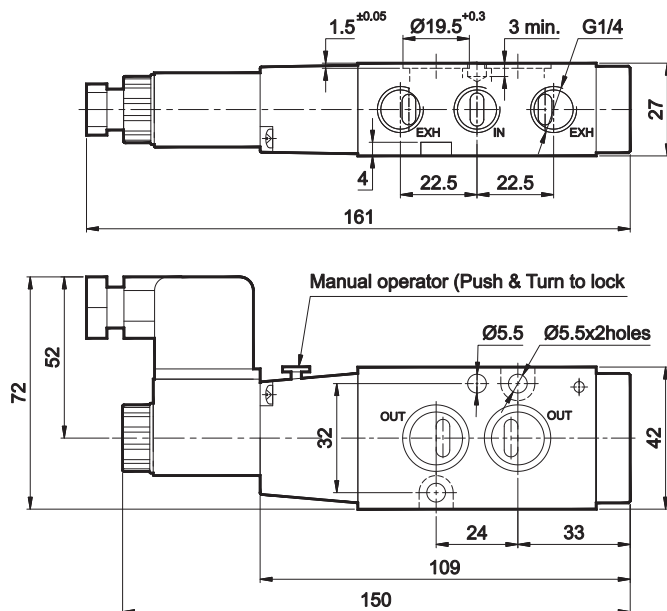
Ordering No*	DS345SR61
Type	Normally closed
Symbol	

* For ordering No, voltage to be added

COMPACT VALVE (NAMUR Standard) Series DS3

Cat No DS3 - 01 - 01 - A

5 / 2 Single Solenoid pilot operated valve with spring return

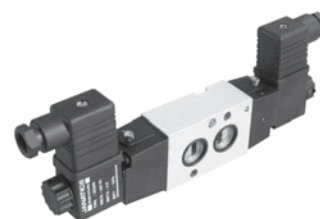
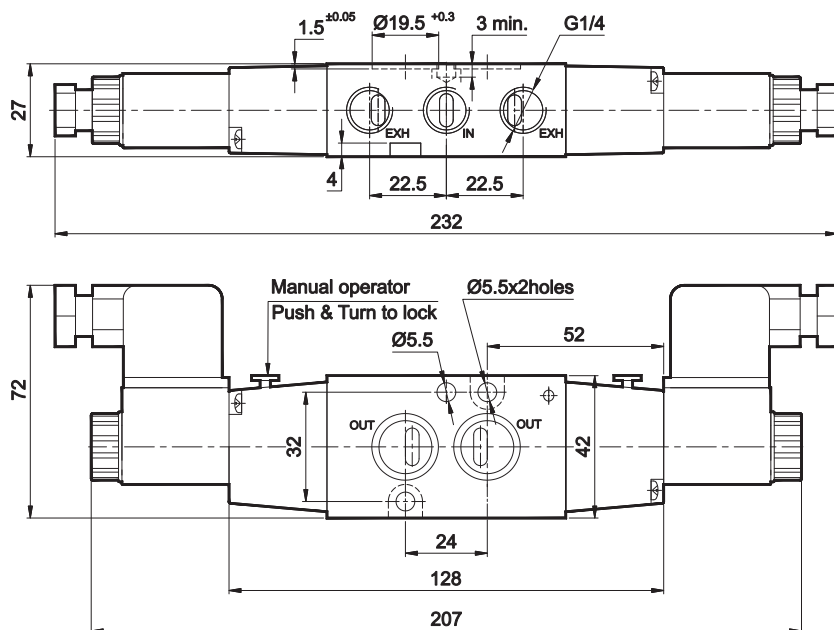


1 - Inlet, 2,4 - Outlet, 3,5 - Exhaust

Ordering No*	DS355SR61
Symbol	

* For ordering No, voltage to be added

5 / 2 Double solenoid pilot operated valve



1 - Inlet, 2,4 - Outlet, 3,5 - Exhaust

Ordering No*	DS355SS61
Symbol	

* For ordering No, voltage to be added

COMPACT VALVE (NAMUR Standard) Series DS3

Cat No DS3 - 01 - 01 - A

How to order

1. Solenoid valve + “Connectors without LED”

While ordering Solenoid operated valves, please mention the suffix given below along with the model number to indicate the required voltage

A	220V AC	Q	110V DC
B	110V AC	S	48V DC
D	48V AC	W	24V DC
G	24V AC	R	12V DC

Example

- The ordering no. for 3/2 NO Single solenoid valve, 24V D.C coil with PG cable is **DS335SR61-W**
- The ordering no. for 3/2 NO Single solenoid valve, 24V D.C coil with Moulded cable is **DS335SR61-W1**
- The ordering no. for 3/2 NO Single solenoid valve, 24V D.C with flame proof coil **DS335SR61-WF**

2. Solenoid valve + “Connectors with LED”

While ordering Solenoid operated valves with LED connectors, given below in the corresponding tables.

Voltage		Housing Colour & Indication		LED colour		Connection type	
A	220V AC	T0		R	Red	0	PG Cable entry
G	24V AC					1	Moulded cable (with 2metre length)
W	24V DC	T1					

Example

The Ordering no for 3/2 NO Single solenoid valve (1/4"), 24V DC, connectors with LED of Transparent colour housing with Bipolar LED and varistor, Red colour LED with moulded cable: **DS335SR61-WT1R1**

Coil spare ordering no.

Coil (without connector)	Ordering no.	
	AC	DC
220	AC23A	- NA -
110	AC23B	DC24Q
48	AC23D	DC24S
24	AC23G	DC24W
12	- NA -	DC24R

Flame proof coil spare ordering no.

Coil	Ordering no.	
	AC	DC
220	SC3056	- NA -
24	- NA -	SC3057

COMPACT VALVE (NAMUR Standard) Series DS3

Cat No DS3 - 01 - 02 - A

COMPACT VALVE - G1/2

Features

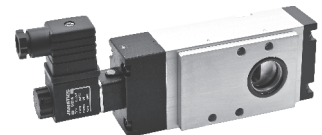
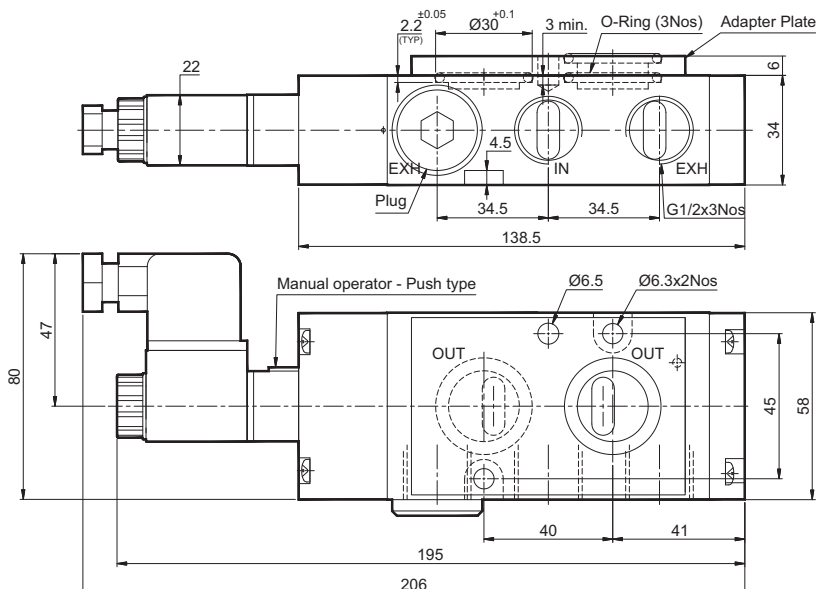
- ☐ Suitable for 'NAMUR' standard fitments
- ☐ Compact size
- ☐ Manual override
- ☐ Wide range of coil voltages
- ☐ Flame proof coil available

Technical Specifications

Model	DS3	
Type	3/2 & 5/2 Single Solenoid	
Design	Spool type with NAMUR hole pattern	
Port size	Inlet, Exhaust - G1/2; Outlet - NAMUR hole pattern	
Medium	Compressed air - Filtered - Lubricated	
Working pressure range	2 to 10 bar	
Ambient temperature	-10° to +60° C	
Medium temperature	+5° to +50° C	
Flow @	3500 lts/min	
Mounting type	2 holes in Housing to NAMUR standard with Combination head screw (M6x45) - 2nos., O Ring (Ø24.5xØ3) - 3nos.	
Materials of construction	Aluminium, Nitrile, Brass, Steel, Acetal, PBT, Zinc	
Product weight	Single Solenoid - 0.765 Kg	
Electrical		
	Standard	Flame proof
Coil width	22 mm	22 mm
Voltage (V) ± 10%	AC (50 Hz) - 24, 48, 110, 220	AC - 220 V
	DC - 12, 24, 48, 110	DC - 24
Power consumption	AC - 6 VA, DC - 5 W	AC - 3 VA, DC - 3 W
Duty cycle	Continuous	Continuous
Class of insulation	Class F	Class H
Type of coil protection	IP65	IP66
Cable entry	PG9 (Suitable for Ø6 - Ø8 OD cable (2wire/3wire))	1.2 meter cable length

@ - Inlet pressure 6 bar, and pressure drop 1 bar

3/2 Single solenoid pilot operated valve with spring return - Normally opened



1 - Inlet, 2 - Outlet, 3 - Exhaust

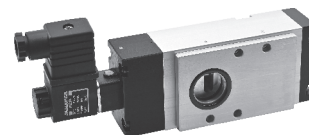
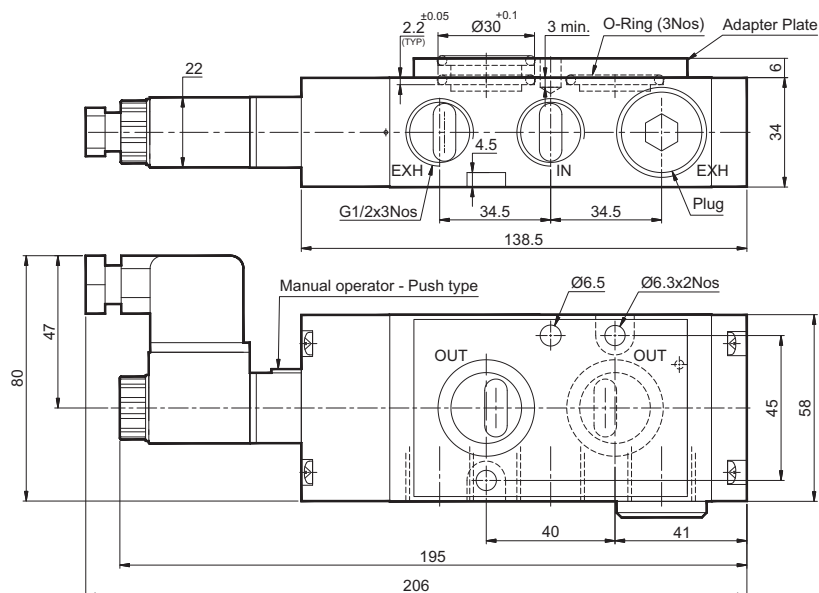
Ordering No*	DS337SR63
Type	Normally open
Symbol	

* For Ordering No, voltage to be added

COMPACT VALVE (NAMUR Standard) Series DS3

Cat No DS3 - 01 - 02 - A

3 / 2 Single solenoid pilot operated valve with spring return - Normally Closed

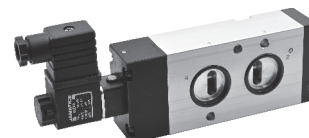
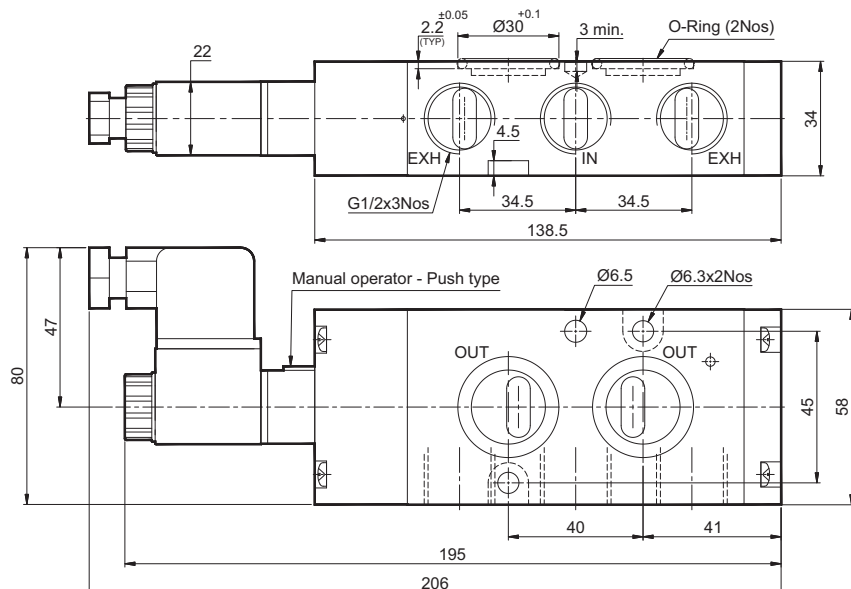


1 - Inlet, 2 - Outlet, 3 - Exhaust

Ordering No*	DS347SR63
Type	Normally closed
Symbol	

* For Ordering No, voltage to be added

5 / 2 Single solenoid pilot operated valve with spring return



1 - Inlet, 2,4 - Outlet, 3,5 - Exhaust

Ordering No*	DS357SR63
Symbol	

* For Ordering No, voltage to be added

COMPACT VALVE

(NAMUR Standard) Series DS3

Cat No DS3 - 01 - 02 - A

How to order

1. Solenoid valve + “Connectors without LED”

While ordering Solenoid operated valves, please mention the suffix given below along with the model number to indicate the required voltage

A	220V AC	Q	110V DC
B	110V AC	S	48V DC
D	48V AC	W	24V DC
G	24V AC	R	12V DC

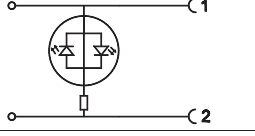
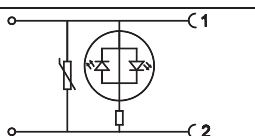
Ordering Example:

- The ordering no. for 5/2 Single solenoid spring return valve, 24V D.C coil with PG cable is **DS357SR63-W**
- The ordering no. for 5/2 Single solenoid spring return valve, 24V D.C coil with Moulded cable is **DS357SR63-W1**
- The ordering no. for 5/2 Single solenoid spring return valve, 24V D.C with flame proof coil **DS357SR63-WF**

2. Solenoid valve + “Connectors with LED”

While ordering Solenoid operated valves with LED connectors, given below in the corresponding tables.

W	
Voltage	
A	220V AC
G	24V AC
W	24V DC

T1	
Housing Colour & Indication	
T0	
	Transparent housing with Bipolar LED indicator confirming supply voltage
T1	
	Transparent housing with Bipolar LED indicator confirming supply voltage plus varistor to give over voltage protection to the source and load

R	
LED colour	
R	Red

1	
Connection type	
0	PG Cable entry
1	Moulded cable (with 2metre length)

Ordering Example:

The Ordering no for 5/2 Single solenoid valve (1/2"), 24V DC, connectors with LED of Transparent colour housing with Bipolar LED and varistor, Red colour LED with moulded cable: **DS357SR63-WT1R1**

Coil spare ordering no.

Coil (without connector)	Ordering no.	
Voltage	AC	DC
220	AC23A	- NA -
110	AC23B	DC24Q
48	AC23D	DC24S
24	AC23G	DC24W
12	- NA -	DC24R

Flame proof coil spare ordering no.

Coil	Ordering no.	
Voltage	AC	DC
220	SC3056	- NA -
24	- NA -	SC3057