

## COMPACT VALVE - 1/4

## Series DS2

Cat No DS2 - 01 - 16 - A

## COMPACT VALVE - G1/4

## Features

- Suitable for manifold mounting
- Mounting provision for individual unit
- Compact size
- Manual override
- Wide range of manifolds available
- Wide range of coil voltages



## Important

To prevent malfunctioning of the valve while operating the manual override (or) while operating the solenoid coil, ensure to have a minimum air supply of 800 lpm to the valve through a tube of minimum Ø8 outer diameter (with minimum Ø5.5 internal diameter)

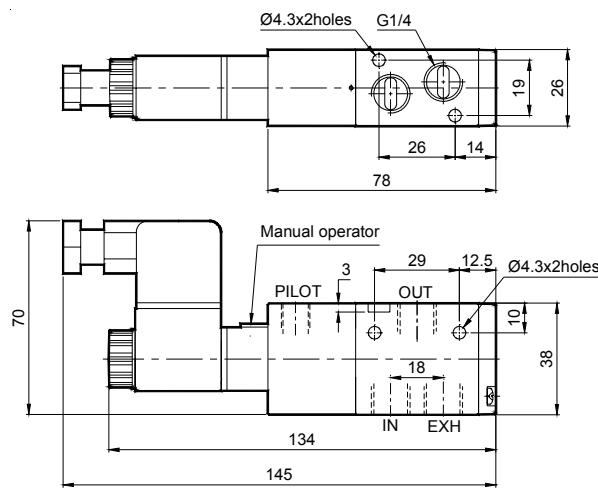
## Technical Specification

Model	DS2	
Type	3/2	5/2
Design	Spool type	
Port Size	Inlet (1), Outlet (2), Exhaust (3) - <b>G1/4</b> , Pilot (14, 12) - <b>G1/8</b>	Inlet (1), Outlet (2,4) - <b>G1/4</b> , Exhaust (3,5), Pilot (14, 12) - <b>G1/8</b>
Medium	Compressed air, filtered, lubricated	
Maximum working pressure	10 bar	
External pilot pressure range	2 to 10 bar	
Recommended oil for lubrication	ISO VG32 (Servo system 32)	
Ambient / Medium temperature	5° - 60° C	
Flow @	1000 lts/min	
Materials of construction	Aluminium, Nitrile, Brass, Acetal, PBT, Zinc	
<b>Electrical</b>		
Coil width	22 mm	
Voltage (V) ± 10%	AC ( 50 Hz ) - 24, 48, 110, 220	
	DC - 12, 24, 48, 110	
Power consumption	AC - 6 VA, DC - 5 W	
Duty cycle	Continuous	
Class of insulation	Class F	
Type of coil protection	IP65	

@ Inlet pressure 6 bar, and pressure drop 1 bar

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3 / 2 Single external solenoid pilot operated valve with spring return



1 - Inlet, 2 - Outlet, 3 - Exhaust, 14 - Pilot

Ordering No*	DS235TR61	DS245TR61
Type	Normally open	Normally closed
Symbol		

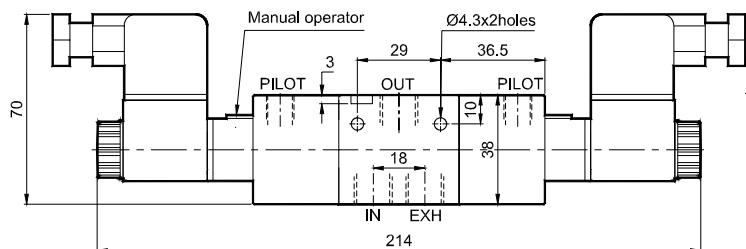
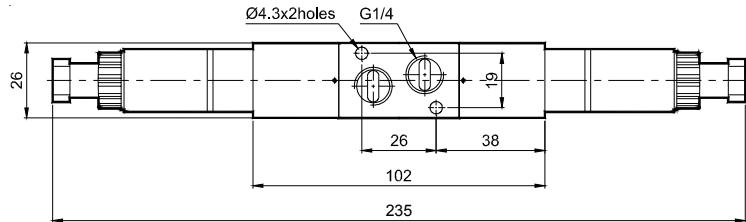
\* For ordering no., voltage to be added.

## COMPACT VALVE - 1/4

### Series DS2

Cat No DS2 - 01 - 16 - A

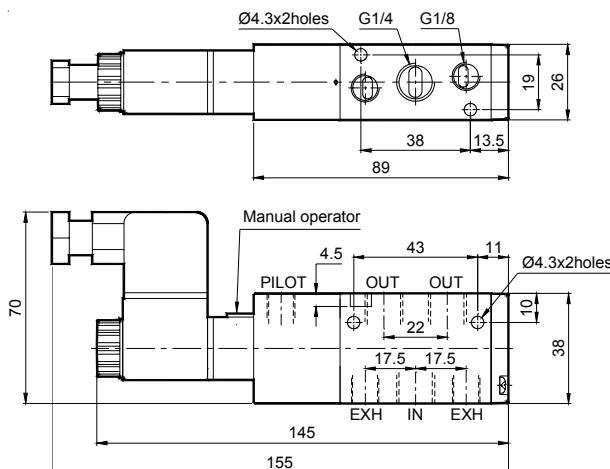
#### 3 / 2 Double external solenoid pilot operated valve



1 - Inlet, 2,4 - Outlet, 3,5 - Exhaust, 14,12 - Pilot

Ordering No*	DS235TT61	DS245TT61
Type	Normally open	Normally closed
Symbol		

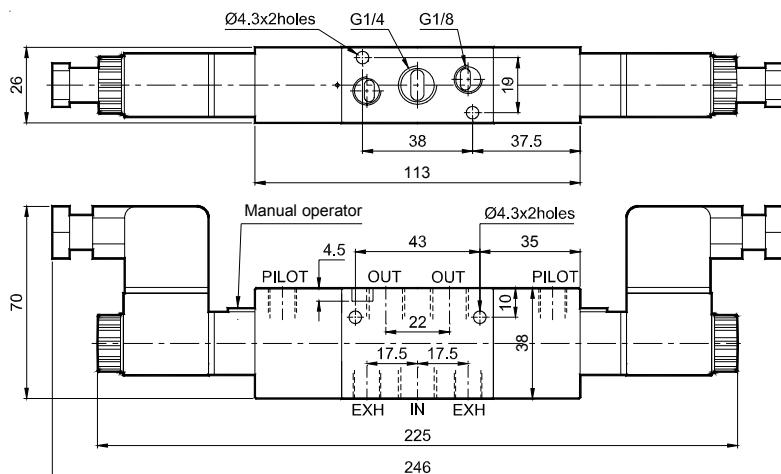
#### 5 / 2 Single external solenoid pilot operated valve with spring return



1 - Inlet, 2,4 - Outlet, 3,5 - Exhaust, 14 - Pilot

Ordering No*	DS255TR61
Symbol	

#### 5 / 2 Double external solenoid pilot operated valve



1 - Inlet, 2,4 - Outlet, 3,5 - Exhaust, 14,12 - Pilot

Ordering No*	DS255TT61
Symbol	

\* For ordering no., voltage to be added.

# COMPACT VALVE - 1/4

## Series DS2

Cat No DS2 - 01 - 16 - 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 NC Single external solenoid pilot valve, 24V D.C coil with PG cable is **DS245TR61-W**
- The ordering no. for 3/2 NC Single external solenoid pilot valve, 24V D.C coil with Moulded cable is **DS245TR61-W1**

#### 2. Solenoid valve + “ Connectors with LED ”

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

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

#### Example

The Ordering no for 3/2 NC Single external solenoid pilot valve, 24V DC, connectors with LED of Transparent colour housing with Bipolar LED and varistor, Red colour LED with moulded cable: **DS245TR61-WT1R1**