

ROTARY SLIDE VALVE

Series DR

Cat No DR - 01 - 02 - C

ROTARY SLIDE VALVE - G1/2

Features

- ☐ Easy handle movement and precise control of the direction
- ☐ Compact and lightweight design
- ☐ Handle position available in two types (Ref. Fig.1 & Fig.2)
- ☐ Both body mounting and Panel mounting is possible
- ☐ Good flow characteristics



Technical Specifications

Model	DR19	DR11
Port size	G1/2	
Medium	Compressed air filtered, lubricated	
Maximum working pressure bar	10	
Recommended oil for lubrication	ISO VG32 (Servo system 32)	
Operating Angle	45° (Refer Fig.1&2)	
Ambient temperature C	-10° to +60°	
Medium temperature C	+5° to +50°	
Flow @ (1→2, 1→4) lts/min	4000	3500
Materials of construction	Aluminium, Steel, Stainless Steel, Nitrile Rubber, Brass	
Weight Kg	0.9	

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

Ordering no.	DR197S63-N & DR197S63-T	DR117S63-N & DR117S63-T
Type	4/3 - Hand Lever Operated (Mid-Position Blocked)	4/3 - Hand Lever Operated (Mid-Position Exhausted)
Symbol		

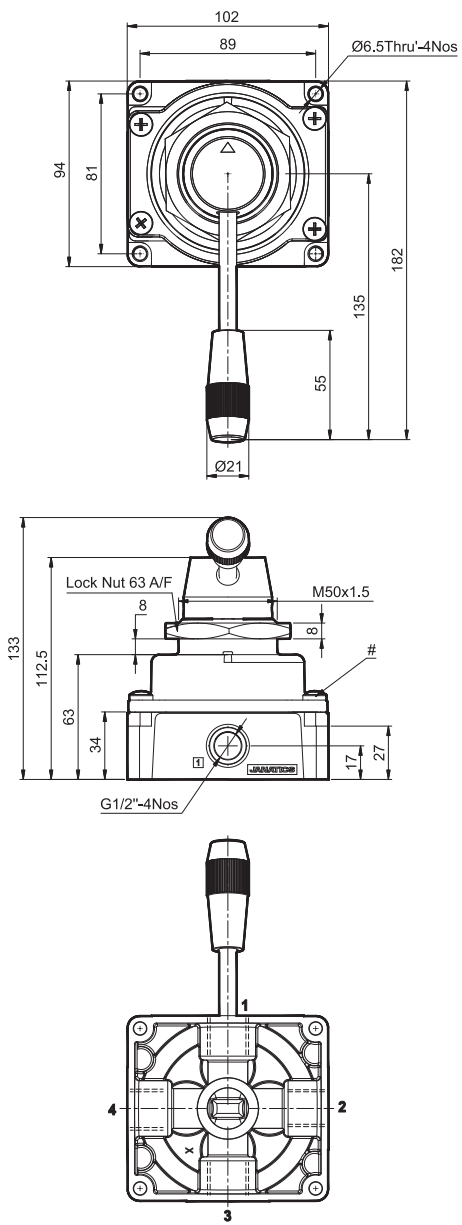
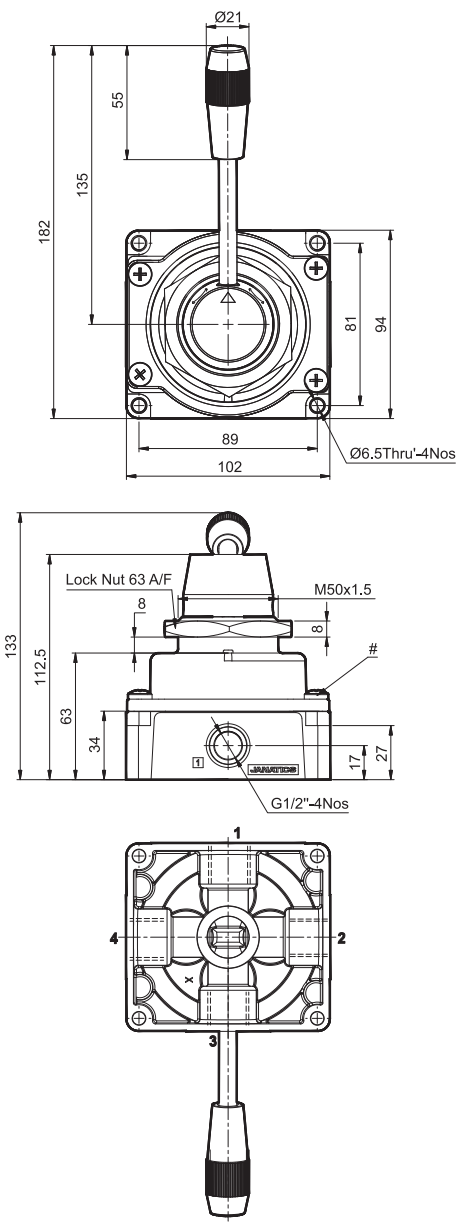
N - Handle position Inlet port side, T - Handle position Outlet port side

Handle operation angle and air flow direction		Panel cut dimension
(Handle position Inlet port side) DR197S63-N, DR117S63-N 1 - Inlet 2, 4 - Outlet 3 - Exhaust FIG. 1	(Handle position Exhaust port side) DR197S63-T, DR117S63-T 1 - Inlet 2, 4 - Outlet 3 - Exhaust FIG. 2	Panel thickness = 7 to 8mm

ROTARY SLIDE VALVE

Series DR

Cat No DR - 01 - 02 - C

(Handle position Inlet port side) DR197S63-N, DR117S63-N	(Handle position Exhaust port side) DR197S63-T, DR117S63-T
 Technical drawings of the rotary slide valve (DR197S63-N, DR117S63-N) showing front, side, and top views with dimensions. Front view dimensions: 102 (width), 89 (inner width), 94 (height), 81 (inner height), 182 (total height), 135 (height to handle), 55 (handle length), Ø21 (handle diameter), Ø6.5Thru-4Nos (port size). Side view dimensions: 133 (total height), 112.5 (height to handle), 63 (height to base), 34 (base height), 17 (base width), 27 (base depth), Lock Nut 63 A/F, M50x1.5, # (marking), G1/2"-4Nos (port size). Top view dimensions: 102 (width), 89 (inner width), 94 (height), 81 (inner height), 182 (total height), 135 (height to handle), 55 (handle length), Ø21 (handle diameter), Ø6.5Thru-4Nos (port size). Bottom view dimensions: 102 (width), 89 (inner width), 94 (height), 81 (inner height), 182 (total height), 135 (height to handle), 55 (handle length), Ø21 (handle diameter), Ø6.5Thru-4Nos (port size). Legend: 1 - Inlet 2, 4 - Outlet 3 - Exhaust	 Technical drawings of the rotary slide valve (DR197S63-T, DR117S63-T) showing front, side, and top views with dimensions. Front view dimensions: 102 (width), 89 (inner width), 94 (height), 81 (inner height), 182 (total height), 135 (height to handle), 55 (handle length), Ø21 (handle diameter), Ø6.5Thru-4Nos (port size). Side view dimensions: 133 (total height), 112.5 (height to handle), 63 (height to base), 34 (base height), 17 (base width), 27 (base depth), Lock Nut 63 A/F, M50x1.5, # (marking), G1/2"-4Nos (port size). Top view dimensions: 102 (width), 89 (inner width), 94 (height), 81 (inner height), 182 (total height), 135 (height to handle), 55 (handle length), Ø21 (handle diameter), Ø6.5Thru-4Nos (port size). Bottom view dimensions: 102 (width), 89 (inner width), 94 (height), 81 (inner height), 182 (total height), 135 (height to handle), 55 (handle length), Ø21 (handle diameter), Ø6.5Thru-4Nos (port size). Legend: 1 - Inlet 2, 4 - Outlet 3 - Exhaust

Screw tightening torque: 2.5 to 3Nm for M6x1

Caution

Operation method : The valve must be switched to each position instantly and securely. Stopping the handle midway between the extreme positions may cause malfunction

Switch only by hand : Switching the valve by using hammer or other tools or driving it mechanically through the cylinder could cause damage

Ordering Example

The ordering no for 4/3 Rotary slide valve - 1/2" (Handle position at inlet port side) - **DR197S63-N**

Subject to change