



# FEEDING VALVE DM5-Ø63



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## Technical information:

Measurements H x D x W	: 165 x 150 x 140 mm (excl. exhaust tubing)
Ship weight	: 1,3 kg
Flow rate	: 0 – 8 kg/s
Temperature range	: 4 – 50 °C
Pressure range (feed)	: 2 – 4 bar
Pressure range (air)	: 4 – 5 bar
Supply solenoid valve	: 24 VDC / 6 W
Inlet connections	: Ø63 mm feed pipe
Outlet connections	: 1½" female thread / Ø63 mm outside for joiner on downpipe

## Article numbers:

140308020206	: Feed valve DM5 without solenoid
140308020207	: Feed valve DM5 with solenoid
140308020208	: Feed valve DM5 with solenoid + simple plug
140308020205	: Feed valve DM5 complete with solenoid + diode-plug + cable

## Spare parts:

140678751612	: O-ring
140308700210	: Diaphragm
140633035010	: Solenoid valve
140633035022	: Diode-plug with 40 cm cable
140308500205	: Valve housing
140308500229	: Feed valve body with screws, Ø63mm
130009001425	: Bits Torx 40 Plus
140633035023	: Simple plug



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# Feeding Valve DM5-Ø63 Installation

## Tools Required:

- Drilling machine
- Turning saw drill Ø 25-28 mmm
- Box wrench / Screwing machine 13mm / Torx 40 Plus
- Diagonal cutting nipper
- Black permanent marker
- PTFE tape or similar

## Preparation:

Fit the O-ring placed in the branch into the housing.

## Assembly on Downpipes:

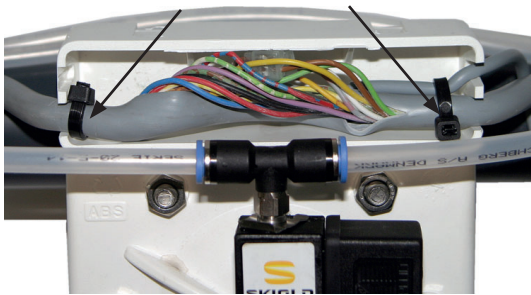
Screw or mount in joiners the valve onto downpipe, turn the valve into correct position of U-clamp I relation to the feed tube.

## Place the Feed Tubes:

After mounting a whole row of valves, place the feed tube in the clamps and glue them together. Now hold the tube towards the O-ring of the valve and mark out the edge of the housing towards the tube. Lift the tube out of the clamp and drill the hole half way between the two lines (horizontal = where the marks of the housing change width). Remove cut out part and PVC chips from the hose with a finger. Place tube in the clamp again and push tube clamp over the top edge of the valve house until it engages. Now place the tube so marking fits at both sides of the valve, and screw the tube clamp up to the valve house. Make sure screws enter the hole at a right angle, and screw them alternately until they engage fully. (Hole size = 25-28mm)

## 1 - Mounting Cable and Air Hose with Matrix 8x8 decoder:

Before drawing cables, check how they should be placed taking into account unused valve numbers. Avoid placing cables on top of other cables to prevent the risk of burning holes in outer cable/air hose. Pull cable off the drum and around to the rows of valves. Guide the cable behind the valve lid and out on top of the solenoid valve, then behind the valve lid again and further ahead on the pipe – a loop of approx. 50-60 cm cable per valve. Let the air hose follow the same route, yet in a larger loop so it passes down to the solenoid valve in a soft curve. Affix cable and air hose with cable tie at a distance of approx. 10 cm from each side of the valve house and along the pipeline at a maximum distance of approx. 40 cm. Remember to lock the cable inside the cable box of the valve.



## 2 - Mounting Cable and Air Hose with decoder 32V or 48V:

For the power cable, plug it into the connector and put it through the box at the back. Install all the valves, then put a plastic cable tie on the main tube on each side of the valve.

