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Molex Reverse Flow Valves

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Description

The Molex reverse flow valves are designed to be installed in correspondence of the vehicles vacuum/pressure circuit and typically used to clean sewer lines and cesspits. Molex reverse flow valves are designed to reverse the vacuum pumps air flow, there by pressurising the vacuum tank. This way, the operations to the discharge the material from the tank are optimised. Molex reverse flow valves are available in manual operation or pneumatic, with pneumatic air actuator. They are available with various diameters (4" and 6"), each of which with cast iron deviator (typically suitable for vane de-compressors) and bronze deviator (typically suitable for lobe de-compressors).

Molex RFV Range

Item	Part Number
4" Manual Operation Cast Iron Deviator	151711
4" Manual Operation Bronze Deviator	151712
4" Pneumatic Operation Cast Iron Deviator	154591
4" Pneumatic Operation Bronze Deviator	154592
6" Manual Operation Cast Iron Deviator	152059
6" Manual Operation Bronze Deviator	152060
6" Pneumatic Operation Cast Iron Deviator	154593
6" Pneumatic Operation Bronze Deviator	154594

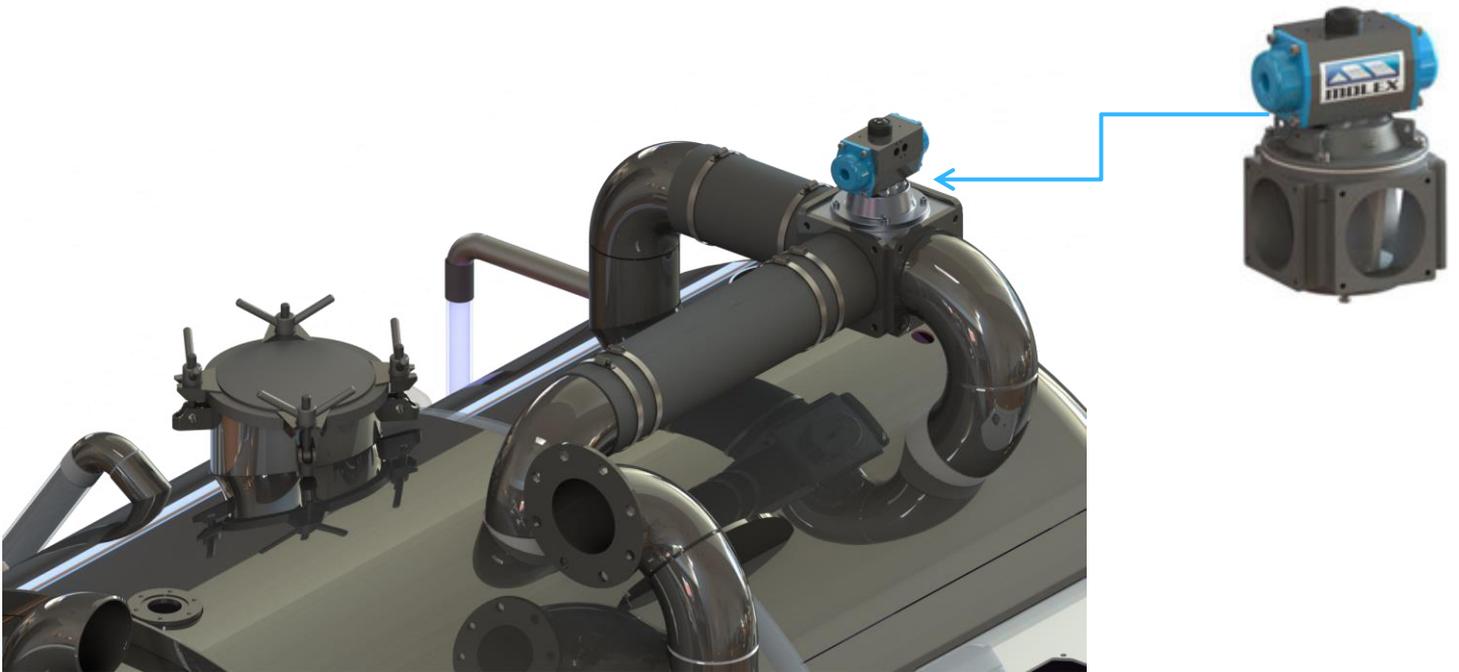
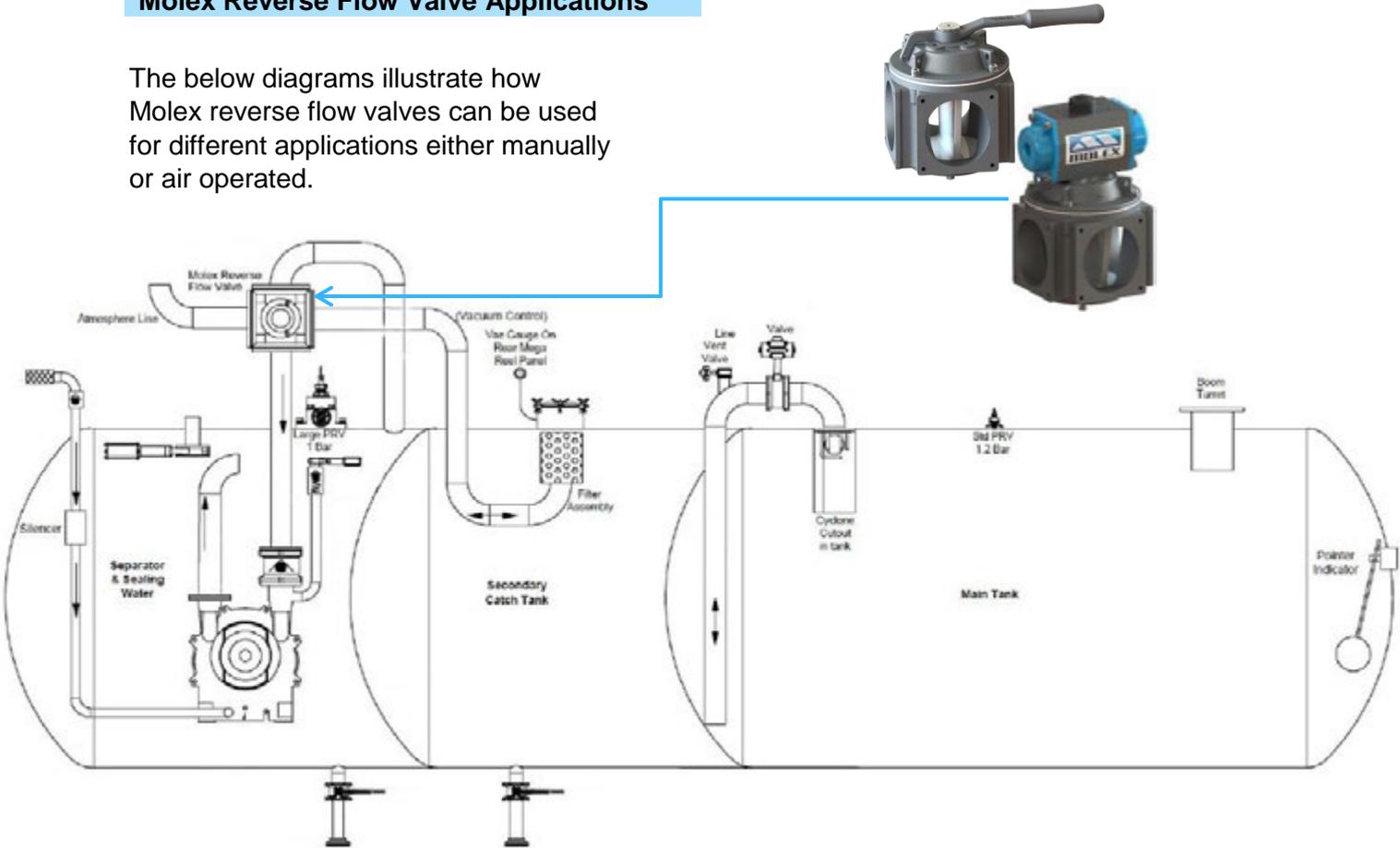
Specification

Valve	4"	6"
Design Pressure	-1/+4 Bar	-1/+4 Bar
Max Pneumatic Pressure	8 Bar	8 Bar

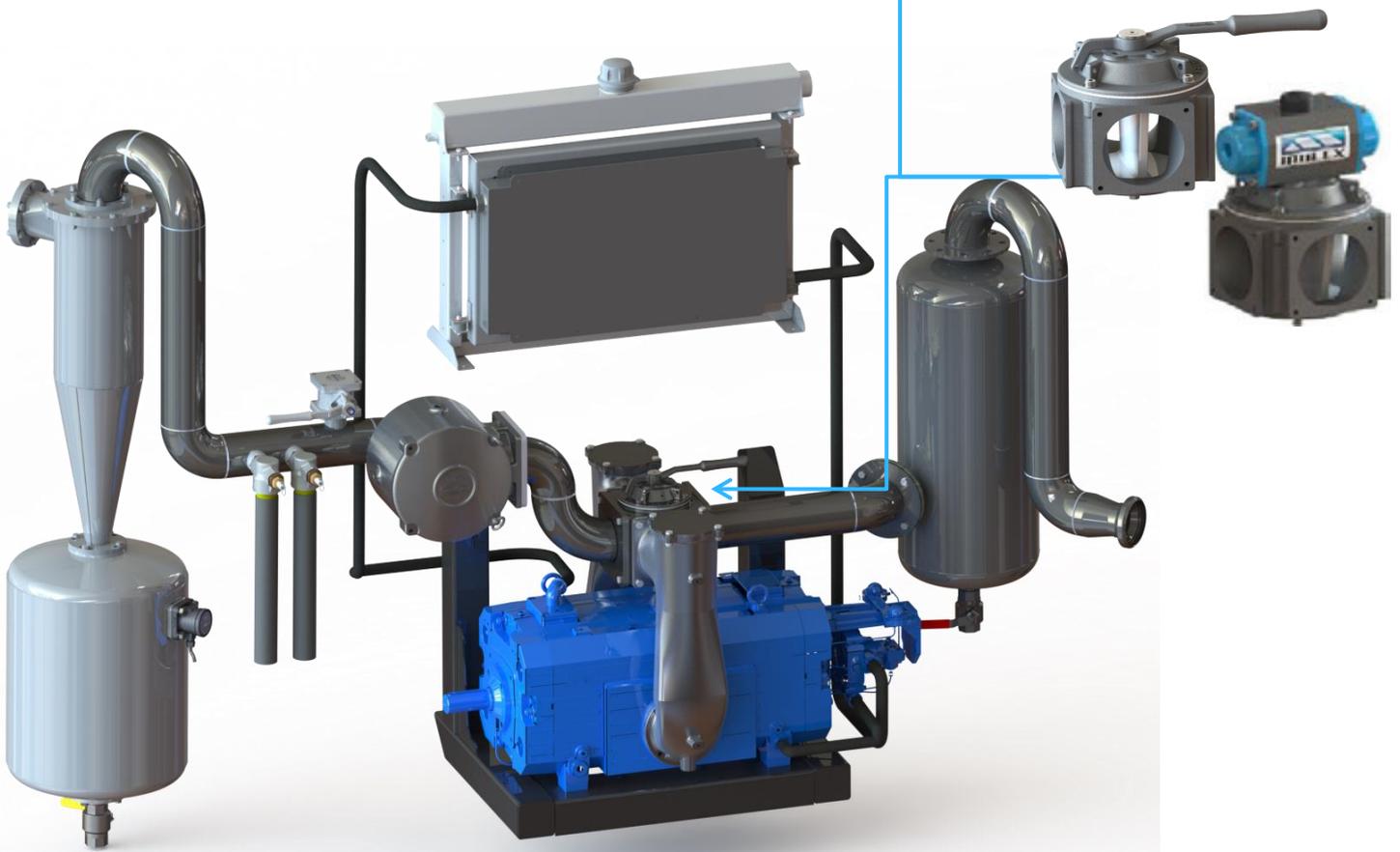
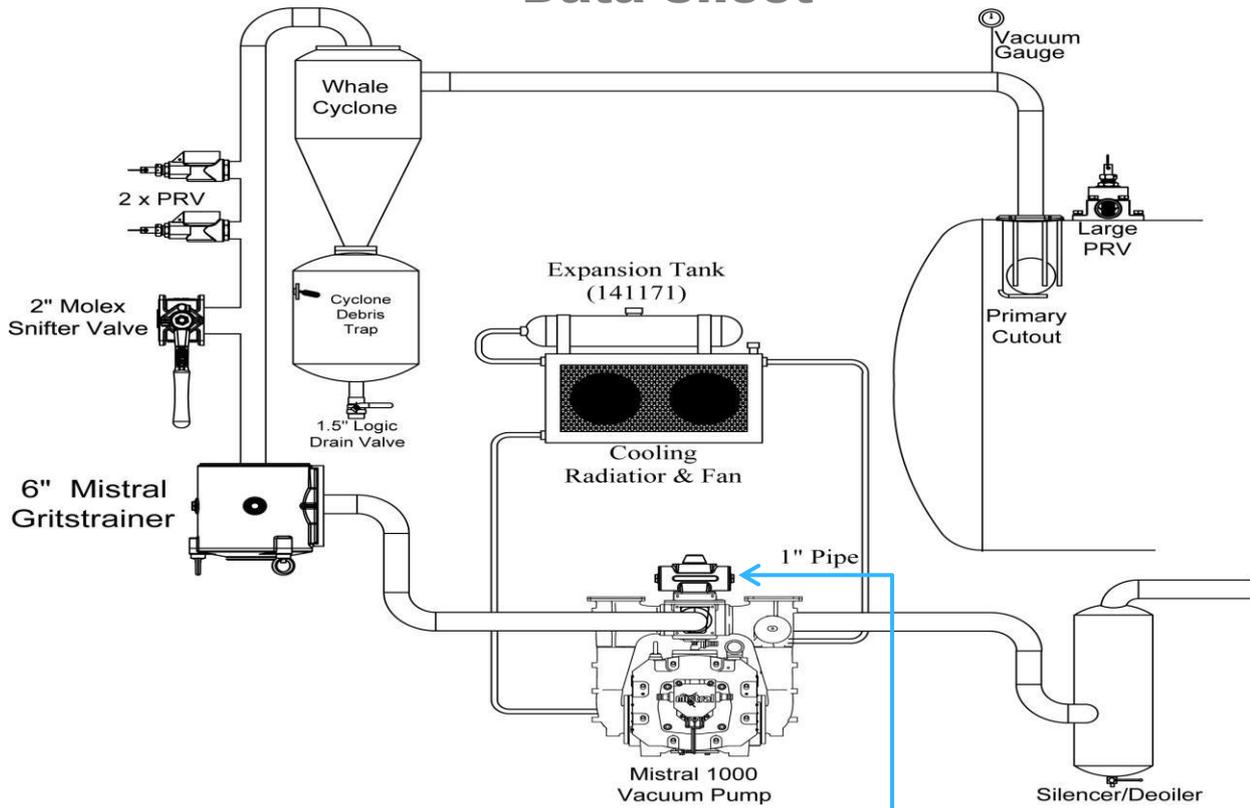
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Molex Reverse Flow Valve Applications

The below diagrams illustrate how Molex reverse flow valves can be used for different applications either manually or air operated.



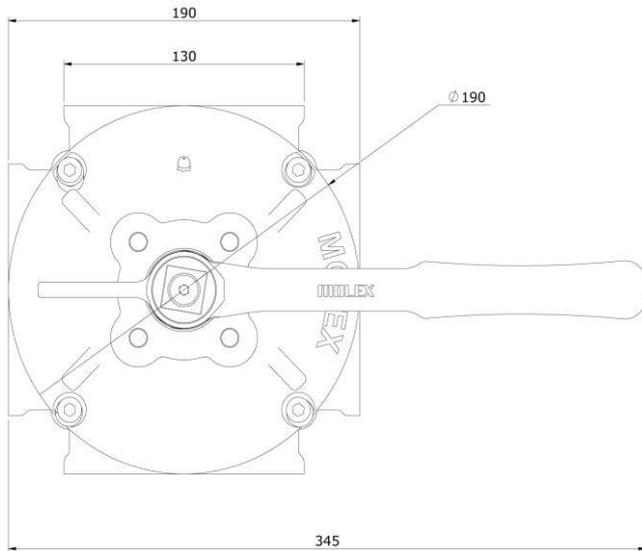
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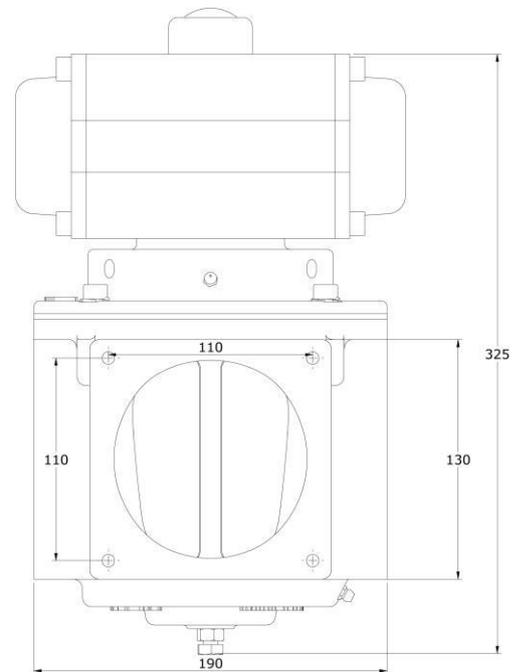
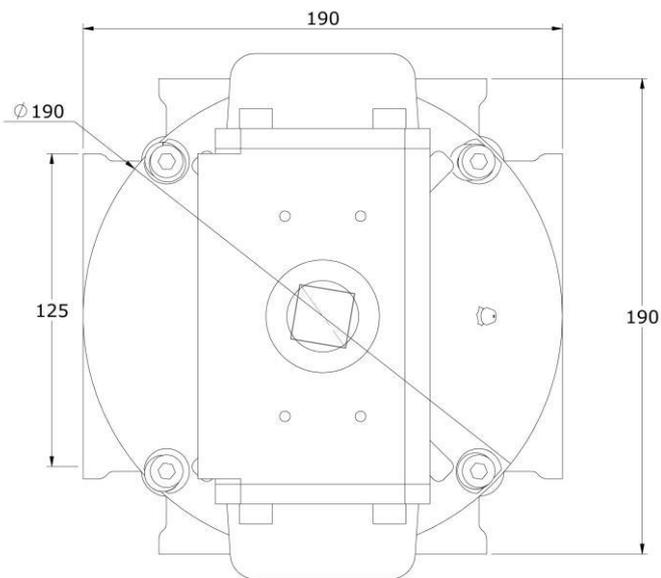
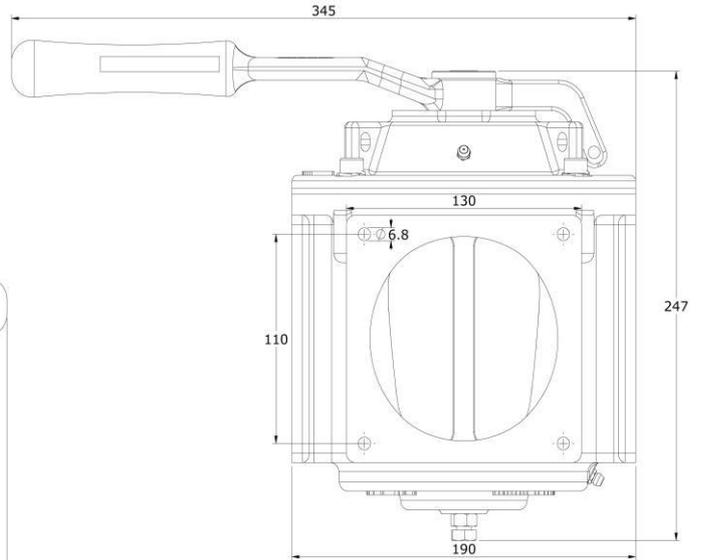
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4" Manual & Pneumatic Reverse Flow Valve Dimensions

Top View:



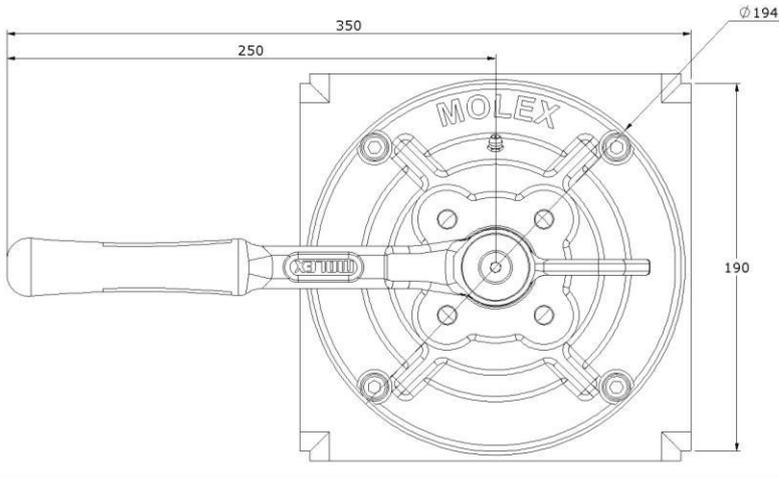
Front View:



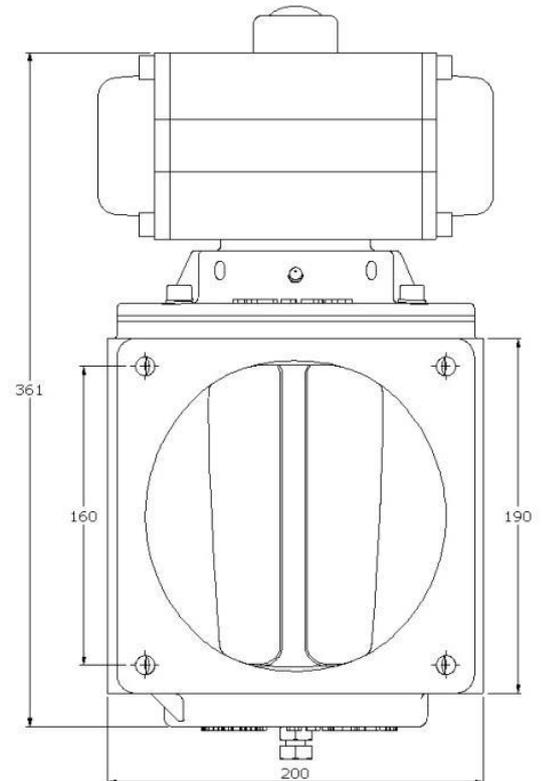
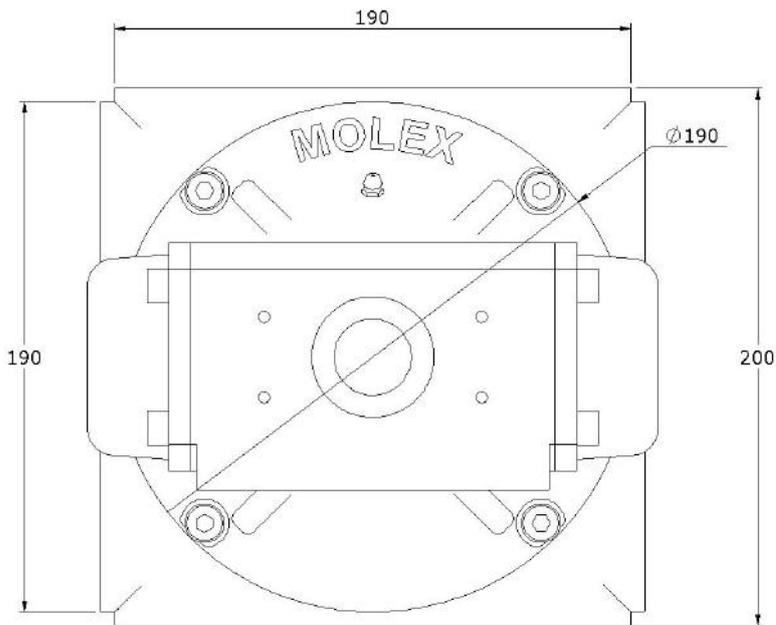
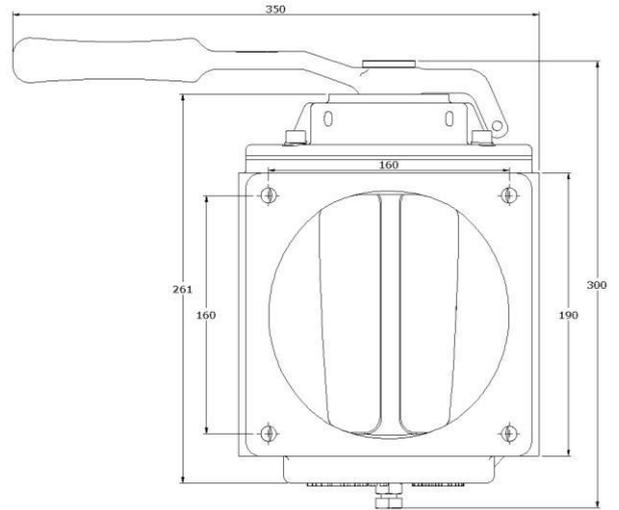
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6" Manual & Pneumatic Reverse Flow Valve Dimensions

Top View:



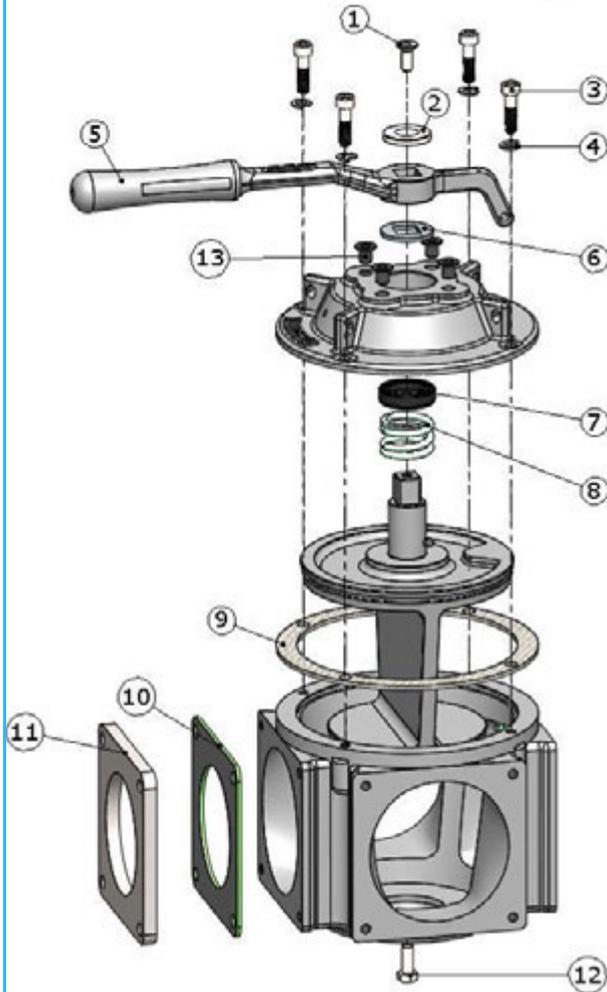
Front View:



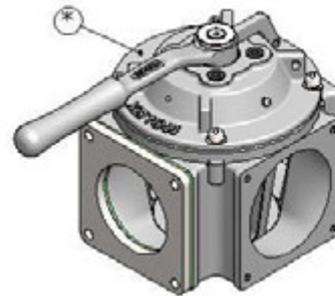
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4" Manual and Pneumatic Parts Drawing

4" Manual Molex Reverse Flow Valve

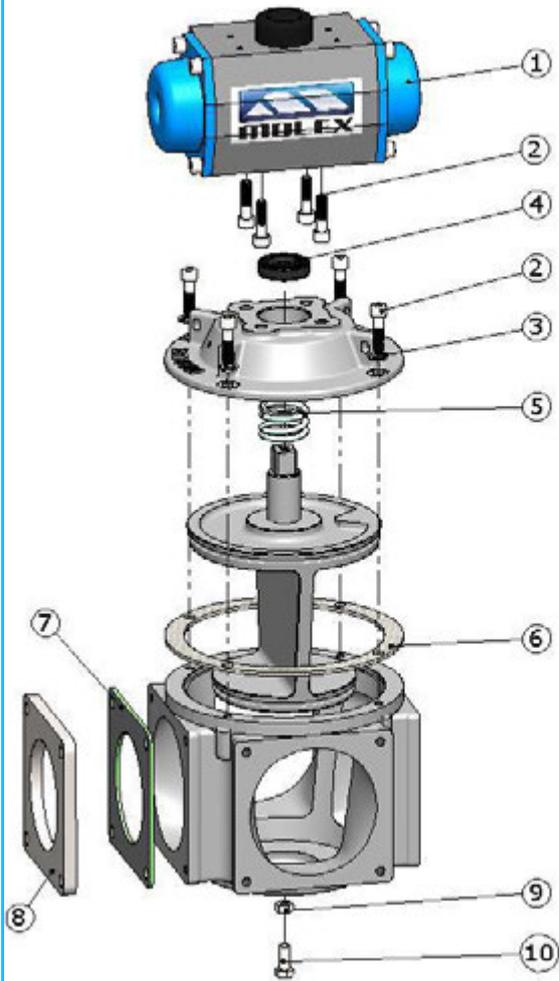


ITEM	P_Number	DESCRIPTION	With Hhandle/QT Y.
1	152752	M10 x 80 - 80C CS 10.9	1
2	150544	M8 Washer	1
3	104186	M8 x 30 Socket Cap	4
4	104235	M8 Spring Washer	4
5	165633	Manual RFV Handle	1
6	147695	Molex RFV Handle Washer	1
7	147704	RFV Oil Seal (27.0 X 41.0 X10)	1
8	147699	Molex RFV Compression Spring	1
9	153203	Molex RFV Top Lid Gasket	1
10	139875	RFV Flange Gasket	1
11	139874	4" Molex RFV Flange	1
12	104156	M8 x 20mm Bolt	1
13	153485	10mm Moss Plug For Molex Reverse Flow Valve	4
*	151711	4" Molex Reverse Flow Valve Cast Iron Plug	1
*	151712	4" Molex Reverse Flow Valve Bronze Plug	1

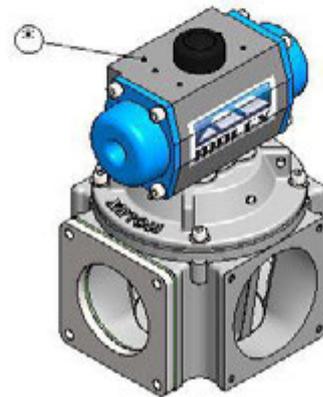


Data Sheet

4" Air Operated Molex Reverse Flow Valve



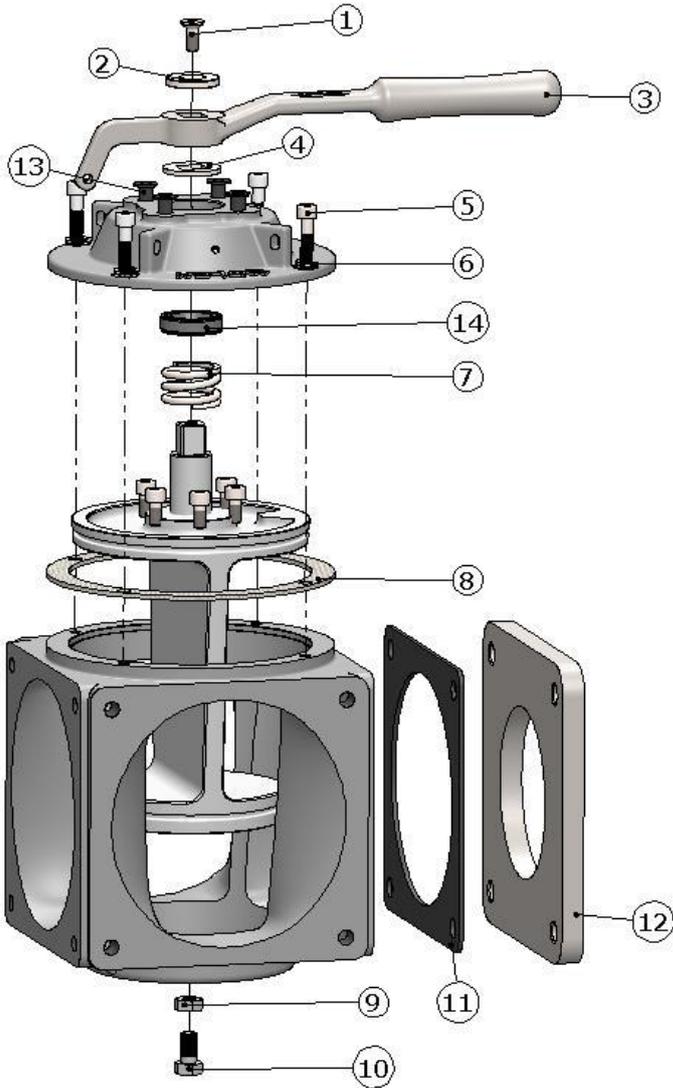
ITEM	DESCRIPTION	P_Number	WITH ACTUATOR/QTY.
1	Rotary Pneumatic Actuator - AP3	164066	1
2	M8 x 30 Socket Cap	104186	8
3	M8 Spring Washer	104235	4
4	RFV Oil Seal (27.0 X 41.0 X10)	147704	1
5	Molex RFV Compression Spring	147699	1
6	Molex RFV Top Lid Gasket	153203	1
7	RFV Flange Gasket	139875	1
8	4" Molex RFV Flange	139874	1
9	M8 Nut - Zinc Plated	104033	1
10	M8 x 20mm Bolt	104156	1
*	4" Air Op RFV Complete With Cast Deflector	154591	1
*	4" Air Op RFV Complete With Bronze Deflector	154592	1



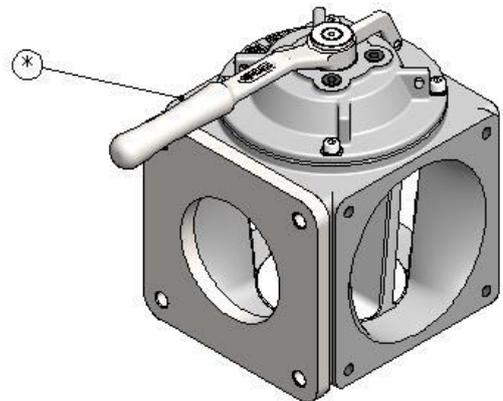
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6" Manual and Pneumatic Parts Drawing

Molex 6" Manual Reverse Flow Valve

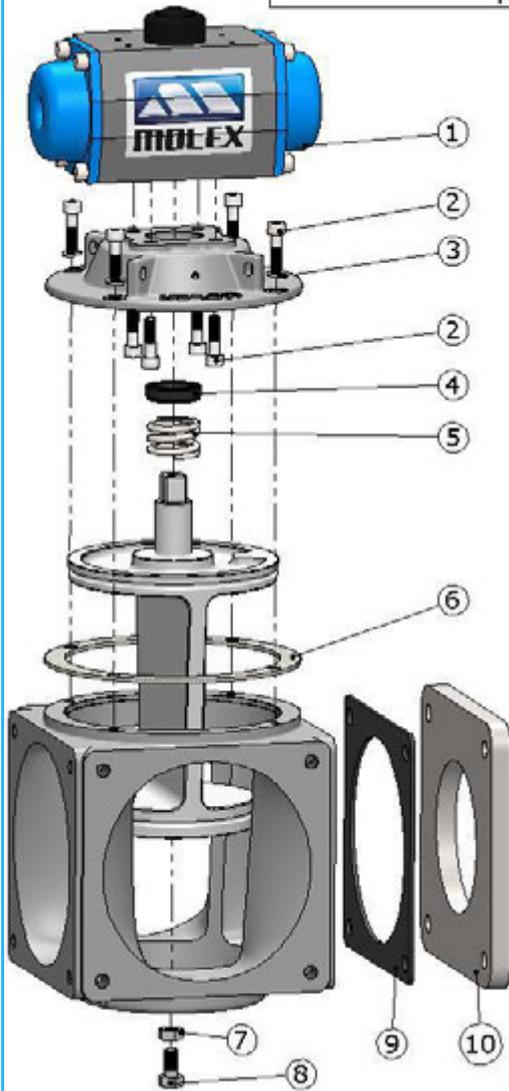


ITEM	Part Number	DESCRIPTION	Quantity
1	152752	CTSK - Hex Socket - SET - STD - MB - 20 x 20 - CS 8.8	1
2	150544	MB Special Washer	1
3	165633	Manual RFV Handle	1
4	147695	Molex RFV Handle Washer	1
5	104186	Hex Socket Head Cap Screw - M8 x 30	4
6	104235	MB Spring Washer	4
7	147699	Molex RFV Compression Spring	1
8	153203	Molex RFV Top Lid Gasket	1
9	104035	Hex Nut M10	1
10	104161	HEX Head Screw M10 X 20	1
11	157376	6" RFV Flange Gasket	4
12	131300	Jurop Changeover Flange	1
12	167799	HEX - SHCS - SET - STD - MB - 16 x 16 - A2 (304) - SC	5
13	153485	10mm Moss Plug For Molex Reverse Flow Valve	4
14	147704	Oil Seal	1
*	152059	6" Complete RFV Cast Iron Plug	1
*	152060	6" Complete RFV Bronze Plug	1

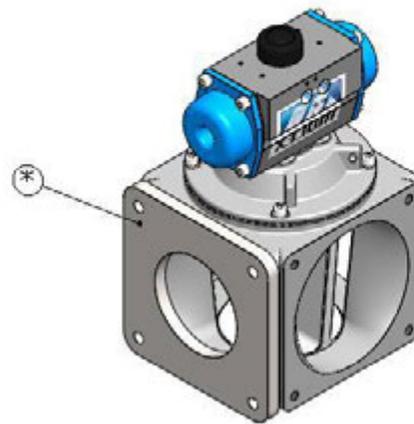


Data Sheet

Molex 6" Air Operated Reverse Flow Valve Cast Iron Deflector

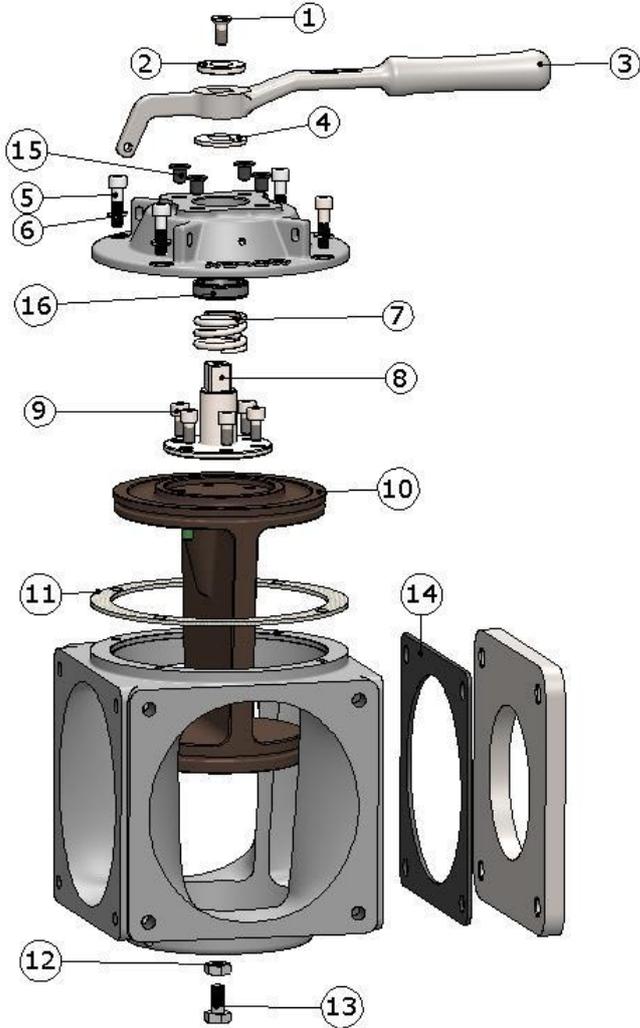


ITEM	P_Number	DESCRIPTION	6" Air Actuated/QTY.
1	164066	Rotary Pneumatic Actuator - AP3	1
2	104186	Hex Socket Head Cap Screw - M8 x 30	8
3	104235	M8 Spring Washer	4
4	147704	RFV Oil Seal (27.0 X 41.0 X10)	1
5	147699	Molex RFV Compression Spring	1
6	153203	Molex RFV Top Lid Gasket	1
7	104035	Hex Nut M10	1
8	104161	HEX Head Screw M10 X 20	1
9	157376	6" RFV Flange Gasket	1
10	131300	6" RFV Flange	1
*	154593	6" Molex RFV Complete Cast Deflector	1

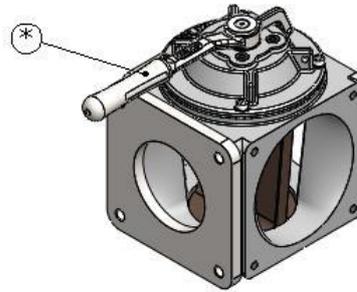


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Molex 6" Manual Reverse Flow Valve Bronze Deflector

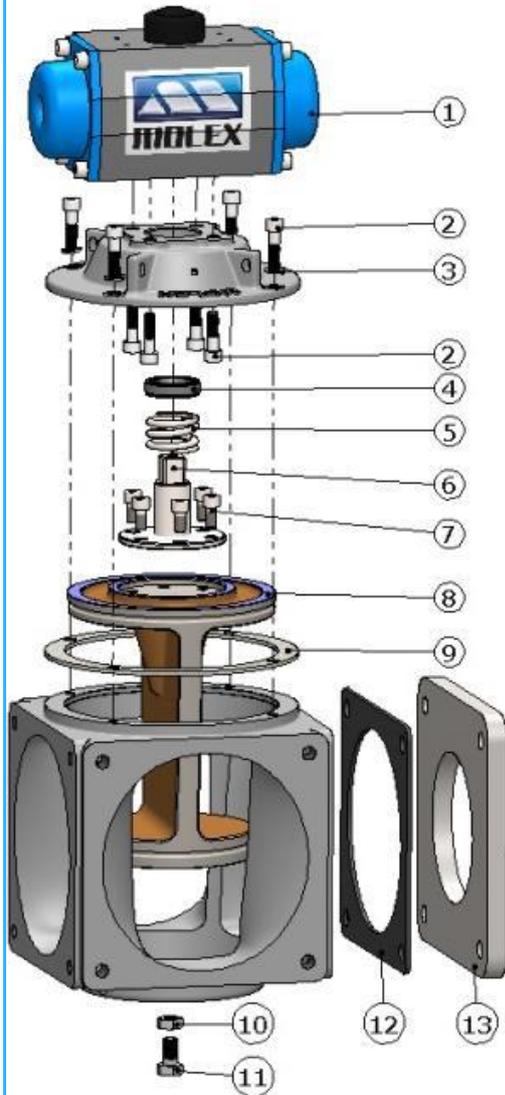


ITEM	Part Number	DESCRIPTION	Quantity
1	152752	M8 - 20 x 20 - CS 8.8	1
2	150544	M8 Special Washer	1
3	165633	Manual RFV Handle	1
4	147695	Molex RFV Handle Washer	1
5	104186	Hex Socket Head Cap Screw - M8 x 30	4
6	104235	M8 Spring Washer	4
7	147699	Molex RFV Compression Spring	1
8	168157	Molex 6" Bronze Deflector Shaft	1
9	167799	HEX - SHCS - SET - STD - M8 - 16 x 16 - A2 (304) - SC	7
10	168156	Molex 6" Bronze Deflector	1
11	153203	Molex RFV Top Lid Gasket	1
12	104035	Hex Nut M10	1
13	104161	HEX Head Screw M10 X 20	1
14	157376	6" RFV Flange Gasket	1
15	153485	10mm Moss Plug	4
16	147704	Oil Seal	1
17	131300	Changeover Flange	1
*	152060	Molex 6" RFV Complete Bronze Deflector	1

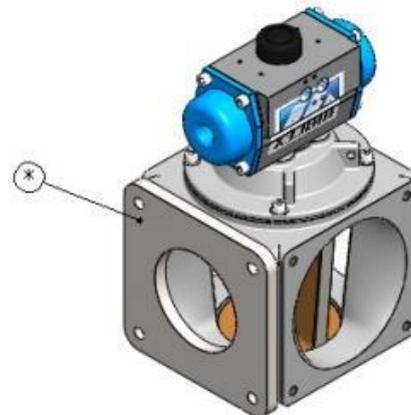


Data Sheet

Molex 6" Air Operated Reverse Flow Valve Bronze Deflector



ITEM	P_Number	DESCRIPTION	6" Air Actuated/QTY.
1	164066	Rotary Pneumatic Actuator - AP3	1
2	104186	Hex Socket Head Cap Screw - M8 x 30	8
3	104235	M8 Spring Washer	4
4	147704	Oil Seal	1
5	147699	Molex RFV Compression Spring	1
6	168157	Molex 6" Bronze Deflector Shaft	1
7	167799	M10 x 30 Socket Cap	6
8	168156	Molex 6" Bronze Deflector	1
9	153203	Molex RFV Top Lid Gasket	1
10	104035	Hex Nut M10	1
11	104161	HEX Head Screw M10 X 20	1
12	157376	6" RFV Flange Gasket	1
13	131300	6" RFV Flange	1
*	154594	6" Molex RFV Complete With Bronze Deflector	1





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