

MultiFlex swivel connector



Magic in the air.

Lena Aronsson, March 2008

Product description

The MultiFlex swivel is an ingenious multi-directional connector. Connect your tool and the hose will stay in the ideal position however much you and the tool move around.

The MultiFlex bends in all directions while the hose stays straight. It takes the effort out of working in those cramped spaces.



"Normal" solution



The magic of MultiFlex

Key benefits

1. Improved ergonomics

The variable geometry of the MultiFlex swivel allows it to rotate freely through 360°. MultiFlex takes the effort out of working in spaces with poor accessibility, and makes heavy rubber hoses seem virtually weightless.

2. Minimum pressure drop, high productivity

Conventional swivels often cause substantial pressure drop that can affect your productivity. In the MultiFlex, the air passes through a continuous section, whatever the angle of the swivel, thus ensuring minimum pressure drop to the tool and maximum productivity.

3. Long working lifetime

Like all Atlas Copco products, MultiFlex swivels are manufactured to the highest standards of quality. Made from special aluminum, with high toughness, enabling them to withstand the roughest handling. While you may need to replace other swivels as often as every year, MultiFlex swivels will give you reliable service for several years.

4. MultiFlex reduces hose wear

Since the MultiFlex swivel bends in all directions at the tool handle, the hose can remain straight. This means a substantial reduction in hose wear and thus noticeable cost savings.

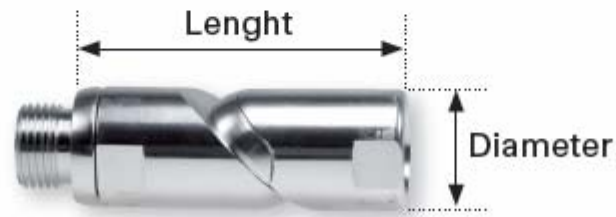


Technical information

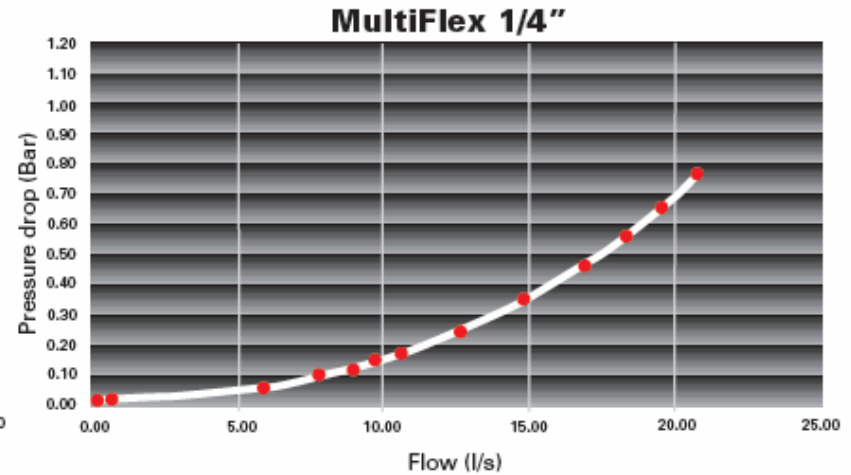
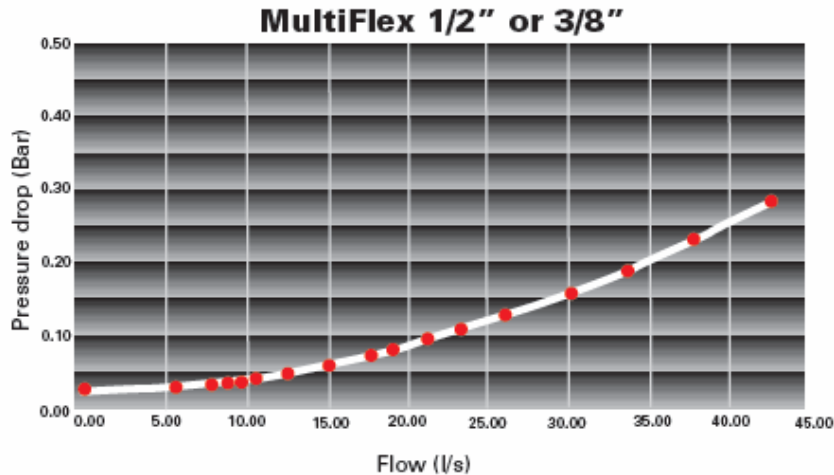
MultiFlex swivel connector – technical data

| Model | Max recommended air flow* | | Thread | | Weight g | Length mm | Diameter mm | Ordering No. |
|---------------------------|---------------------------|-----|--------------------|-------------------|-------------|--------------|----------------|--------------|
| | l/s | cfm | Inlet female in | Outlet male in | | | | |
| MultiFlex Swivel 1/4" BSP | 12 | 25 | 1/4 BSP | 1/4 BSP | 73 | 66.2 | 24 | 8202 1350 20 |
| MultiFlex Swivel 1/4" NPT | 12 | 25 | 1/4 NPT | 1/4 NPT | 73 | 66.2 | 24 | 8202 1350 26 |
| MultiFlex Swivel 3/8" BSP | 35 | 74 | 3/8 BSP | 3/8 BSP | 130 | 80.6 | 29.5 | 8202 1350 22 |
| MultiFlex Swivel 3/8" NPT | 35 | 74 | 3/8 NPT | 3/8 NPT | 130 | 80.6 | 29.5 | 8202 1350 28 |
| MultiFlex Swivel 1/2" BSP | 35 | 74 | 1/2 BSP | 1/2 BSP | 125 | 80.6 | 29.5 | 8202 1350 24 |
| MultiFlex Swivel 1/2" NPT | 35 | 74 | 1/2 NPT | 1/2 NPT | 125 | 80.6 | 29.5 | 8202 1350 30 |

* The pressure drop will be 0.2 bar at an inlet pressure of 6 bar.



How to select MultiFlex for your tool



Example LSV 38 grinder

- The LSV 38 grinder has a 3/8" air inlet thread, so the 3/8" MultiFlex swivel is chosen.
- The maximum air consumption for this tool is 24 l/s. The graph above shows that the 3/8" swivel has a pressure drop of 0.1 bar at an air flow of 24 l/s.
- For maximum productivity we recommend maximum 0.2 bar pressure drop per air line component.



The 0.1 bar pressure drop caused by the swivel in combination with the LSV 38 is within our recommended limits and can therefore be used without jeopardizing productivity.

**We are committed to your
superior productivity through
interaction and innovation.**



Atlas Copco

