

# MultiFlex Swivel Connector



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. What's more, the hose feels almost weightless. It's the magic of MultiFlex – a marriage of ergonomic thinking and ingenious design

## Features & Benefits:

**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.

**Ergonomic thinking takes the load off the operator:** 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. This will boost individual productivity in your plant.

**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.

**MultiFlex pays for itself:** By raising productivity, reducing hose wear and lasting much longer than other swivels, MultiFlex swivels pay for themselves quickly.

**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, they can stand up to the roughest handling. While you may need to replace other swivels as often as every year, MultiFlex swivels will give you reliable service for many years.

## MultiFlex swivel connector – Technical data

Model	Recommended air flow *	Max Air flow **	Inlet female	Outlet male	Weight	Length	Diameter	Ordering No.
	l/s (cfm)	l/s (cfm)	BSP	BSP	Grams	mm	mm	
MultiFlex Swivel 1/8" BSP	12 (25)	22 (46) <sup>a</sup>	1/8"	1/8"	73	66.2	24	8202 1350 18
MultiFlex Swivel 1/4" BSP	12 (25)	22 (46) <sup>a</sup>	1/4"	1/4"	73	66.2	24	8202 1350 20
MultiFlex Swivel 3/8" BSP	32 (68)	43 (91) <sup>b</sup>	3/8"	3/8"	130	80.6	29.5	8202 1350 22
MultiFlex Swivel 1/2" BSP	32 (68)	43 (91) <sup>b</sup>	1/2"	1/2"	125	80.6	29.5	8202 1350 24
MultiFlex Swivel 1/2" BSP High Flow	54 (114)	66 (139) <sup>c</sup>	1/2"	1/2"	326	98.3	39	8202 1350 60

Maximum working pressure 10 bar, Burst pressure 40 bar.

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

\*\* a Pressure drop will be 0.75 bar at inlet pressure of 10 bar

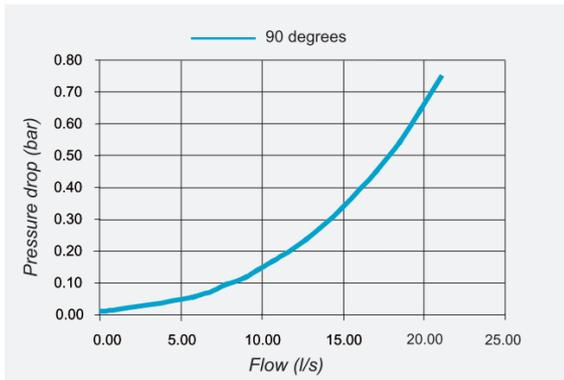
b Pressure drop will be 0.28 bar at inlet pressure of 10 bar

c Pressure drop will be 0.31 bar at inlet pressure of 10 bar

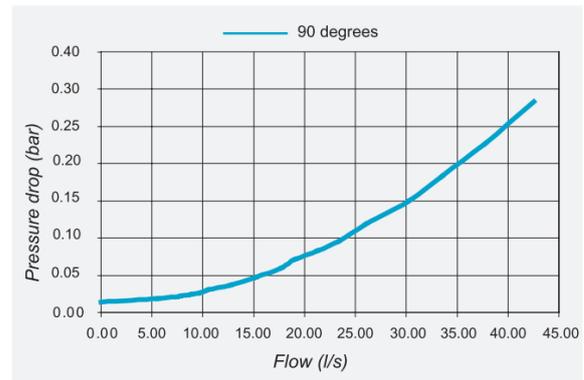
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## Flow Charts:

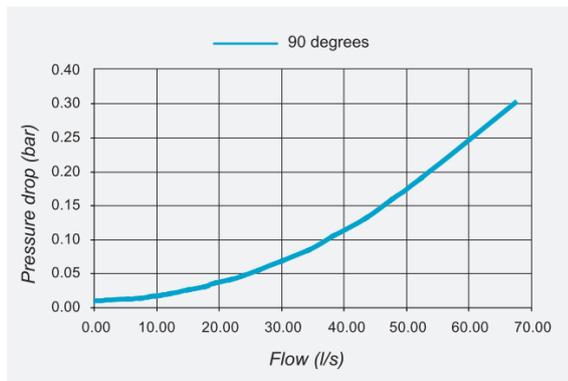
**MULTIFLEX 1/8" OR 1/4"**



**MULTIFLEX 1/2" OR 3/8"**



**MULTIFLEX HIGH FLOW**



## How to select a swivel 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 airline component.

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

## The magic of MultiFlex



- Rotates freely through 360°
- Comfortable for the operator
- Higher individual productivity
- Low pressure drop

- Reduced hose wear
- Long working life-time
- Short payback time