

AQR 19 Breathing Air





Stäubli breathing air range, the breath of performance.

Applications

Connections for high flow equipment from a Breathing Air circuit :

- manifold units
- trolleys
- filtration units
- ...



Automatic connection and disconnection (button technology)

Stäubli quality, a guarantee of your safety!

At connection, a mechanical coding prevents any accidental connection with other couplings.



In addition, the blue colour of our AQR coupling rings and the “Breathing Air” marking ensure fast and easy recognition of Stäubli Breathing Air connections.

At disconnection, the operator is exposed to the dangerous ejection of the flexible tubing due to the pressurized compressed air. This is why the AQR 19 couplings are equipped with anti hose-whip safety.

Retain the ergonomic qualities and ensure high flow.

Thanks to its ergonomically dedicated design, the AQR coupling is very easy to handle despite being large enough to accommodate high flow volumes.

Long-lasting seal



Identification to ensure traceability

Plug attachment device standard on all couplings



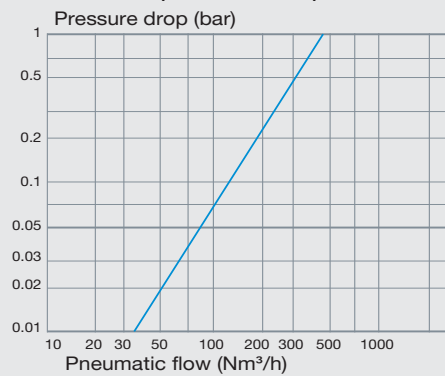
Recommendations

- For the safety of operators, couplings should only be used on “Breathing Air” circuits, all other fluid gas or liquids being excluded.
- During lubrication, only use the G86 Stäubli lubricant - “Breathing Air” quality.

Technical features

Ø straight through flow path	17 mm
Cross section	230 mm ²
Max. working pressure	10 bar
Working temperatures	-10 à +65°C
Shut-off	double

Flow chart / pressure drop



Test conditions :

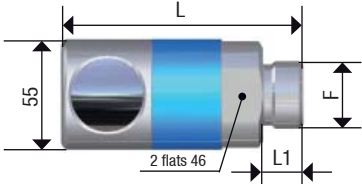
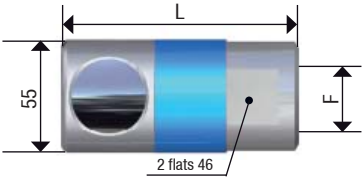

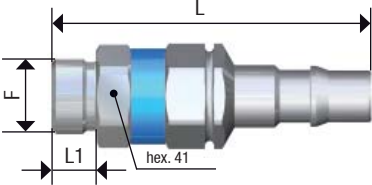
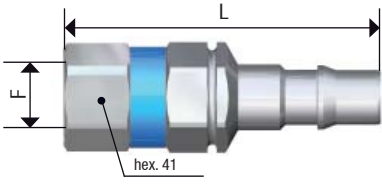
flow direction: socket > plug

inlet pressure: 6 bar

socket: AQR 19.1154/IA/OD - plug: AQR 19.6154/IA/DL

Construction :

- Coupling body: stainless steel.
- Plug: high-resistance chrome steel.
- Seals: Nitrile (NBR)
- Protective cap for socket: stainless steel (option)
- Protective cap for socket: chloroprene (option)

AQR 19	Thread F	L (mm)	L1 (mm)	Part numbers
Male thread socket, with leak-proof 60° cone 	G 3/4	118,5	16	AQR 19.1154/IA/OD
	G 1	120,5	20	AQR 19.1155/IA/OD
Female thread socket 	G 3/4	115	-	AQR 19.1104/IA/OD
	G 1	115	-	AQR 19.1105/IA/OD
Anti-dust protective cap for socket (option)				AQR 19.8500
Overflow lock - VD code to be added to the base reference				
Male thread plug, with leak-proof 60° cone 	G 3/4	138,5	16	AQR 19.6154/DL
	G 1	142,5	20	AQR 19.6155/DL
Female thread plug 	G 3/4	129,5	-	AQR 19.6104/DL
	G 1	135,5	-	AQR 19.6105/DL
Anti-dust protective cap for plug (option)				RBE 19.8550/BC

The equipment we supply is referenced as components; please, therefore, check: the relevant standards and legislation pertaining to your system, the proper integration of these components into your system and compliance of your system with the recommendations in force.

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■ Staubli units
○ Connectors distributors

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