

»R21BA« series, both sides sealing

Both the coupling and the self-sealing plug are fitted with a valve.

Connection: Both valves open and the medium is allowed to pass.

Disconnection: Both valves close and the medium is prevented from escaping.



Areas of application: Pneumatic system, machine and plant engineering, Measurement, monitoring and control systems, Manufacturing industry, medical technology, chemical / pharmaceutical industry, automotive, food technology, aerospace.

Operating pressure	0 to 35 bar, maximum static working pressure (non-pulsating)
Medium and ambient temperature	-20 °C to 100 °C
Housing, sleeve and valve body	Brass with a bare metal surface
Spring, retaining ring and balls	Stainless steel
Sealant	NBR



243.18-B



243.20-B



243.26/S-B

Quick disconnect coupling DN 5, both sides sealing, brass with a bare metal surface, male

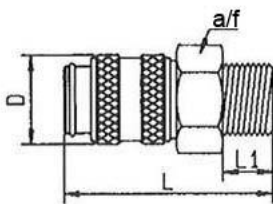
Type No.	Art. No.	Connection	a/f mm	L mm	D mm	L1 mm
243.18-B	107492	G 1/8 male	14	36.5	16.2	7.0
243.19-B	107493	G 1/4 male	17	38.0	16.2	9.0

Quick disconnect coupling DN 5, both sides sealing, brass with a bare metal surface, female

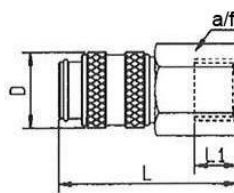
Type No.	Art. No.	Connection	a/f mm	L mm	D mm	L1 mm
243.20-B	107494	G 1/8 female	14	38.0	16.2	9.0
243.21-B	107495	G 1/4 female	17	38.0	16.2	9.0

Quick disconnect coupling DN 5, both sides sealing, brass with a bare metal surface, with hose stem

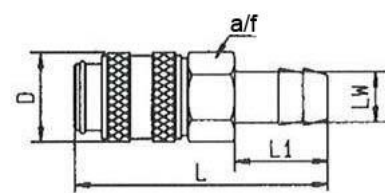
Type No.	Art. No.	Connection	a/f mm	L mm	D mm	L1 mm
243.25-B	107496	Stem I.D. 4	-	46.5	16.2	17.0
243.26/S-B	107497	Stem I.D. 6	-	46.5	16.2	17.0
243.26/9-B	107498	Stem I.D. 9	-	46.5	16.2	17.0



male



female



hose stem



243.17-B



243.032-B



243.034-B

Stem for couplings DN 5, both sides sealing, brass with a bare metal surface

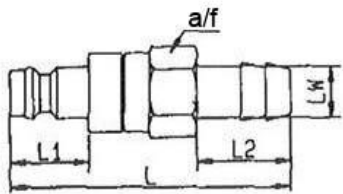
Type No.	Art. No.	Description	a/f mm	L mm	D mm	L1 mm
243.16-B	107499	Stem I.D. 4	14	50.0	14.0	17.0
243.17-B	107500	Stem I.D. 6	14	50.0	14.0	17.0
243.17/S-B	107501	Stem I.D. 9	14	50.0	14.0	17.0

Plug for couplings DN 5, both sides sealing, brass with a bare metal surface, male

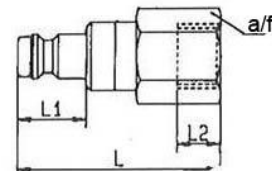
Type No.	Art. No.	Description	a/f mm	L mm	D mm	L1 mm
243.031-B	107502	Plug G 1/8 male	14	40.0	14.0	7.0
243.032-B	107503	Plug G 1/4 male	17	42.0	14.0	9.0

Plug for couplings DN 5, both sides sealing, brass with a bare metal surface, female

Type No.	Art. No.	Description	a/f mm	L mm	D mm	L1 mm
243.033-B	107504	Plug G 1/8 female	14	42.0	14.0	7.0
243.034-B	107505	Plug G 1/4 female	17	42.0	14.0	9.0

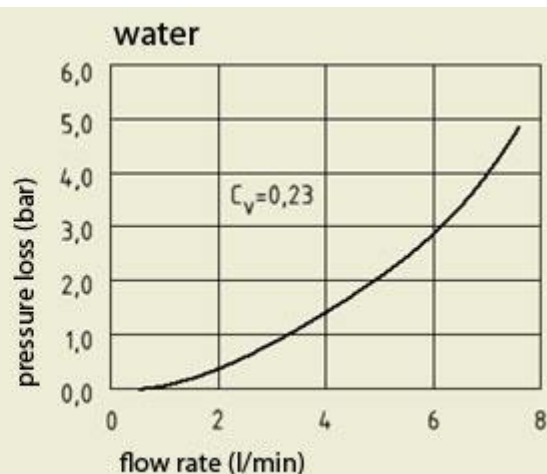
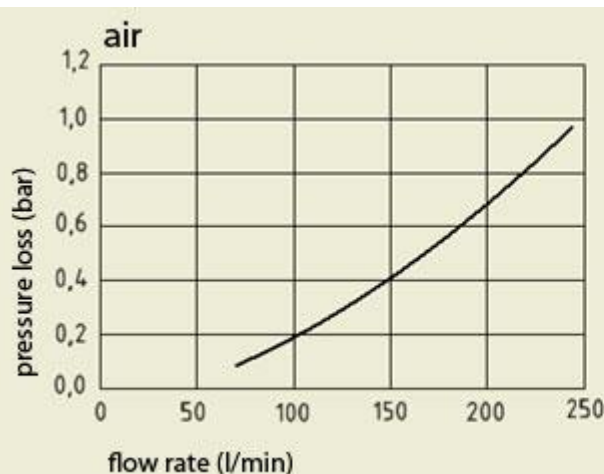


stem



plug

Flow rate diagram



Installation location

The installation location of the quick-connect coupling must be selected so that the health of the person operating it cannot be harmed by sources of danger in the immediate surroundings, e.g. from slipping, jamming, contaminating or burning.

Low pressure applications

Threads for low-pressure applications are, if series-related no corresponding coatings or sealing rings are present, to be provided with suitable sealing materials, such as a PTFE belt or liquid sealing agent. Here the resistance to the flowing medium must be paid attention to.

Service manual

Quick-connect couplings are predominantly maintenance-free, if used in standard applications and handled carefully. The selection of the quick-connect coupling must be compatible with the intended purpose of use and material. Depending on the operating conditions it is recommended to provide the following points during maintenance:

External visual inspection with dirt in the functioning area of coupling and plug (seal area, control elements) these must be cleaned. The following distinguishing symptoms require replacement of the corresponding parts: Torn, damaged, heavily damaged or corroded parts, leaks on coupling and / or plug parts.

Function test under maximum Max. operating pressure can be used to test the quick-connect coupling for possible malfunctions and leaks. During the testing and operating phase it must be ensured that the operating personnel work protected.

Replacement intervals for quick-connect couplings must, if available, be adapted to the state or technical standards. However, also operating experiential values, which result from the required operational safety and the conditions of use, such as downtimes, coupling frequency, Max. operating pressure and properties of the medium, are critical for establishing the replacement intervals.

Pulsating tool

When using pulsating tools it is recommended to observe the standard ISO 6150, § 7.1. It recommends installing a minimum 300 mm long, flexible hose between the pulsating tool and the quick-connect coupling. The oscillating forces are taken by the hose piece and thus increase the service life of the quick-connect coupling. No warranty can be made for couplings mounted directly on pulsating tools.

Flow direction

The recommended flow direction is from the coupling to the plug if nothing else is specified in the technical data sheet.



Application with hoses

When using hoses the permissible Max. operating pressure and the working temperature must absolutely be observed and suitable hose connections must be seen to.