

Compressed air programme

Connectors I Advanced connection solutions



Safety from end to end...











... a range offering unfailing performance

For more than 60 years, Stäubli has developed a complete programme of compressed air supply lines for your tools and other pneumatic applications.

Choose Stäubli to meet all your requirements.

- Guaranteed performance: our compressed air range is based on our wealth of experience in fluid connections and our in-depth understanding of your applications.
- As genuine partners in your projects, our specialists can offer advice and efficient, innovative solutions.
- Safety is ensured from end to end with a comprehensive programme combining the distribution, filtration and connection functions...



5-year guarantee for all your industrial compressed air applications*

* On the quick release coupling ranges indicated in this programme. From the date engraved on the couplings, for a guarantee period extended to 5 years, in accordance with Stäubli's general terms

and conditions of sale.

Safety is at the heart of our business

Stäubli has been committed to the safety of users and the environment for over 60 years. This commitment is what guides the development of our products, particularly those that make use of compressed air.

Your compressed air lines are vital partners in your work, and as such must be completely reliable.

To meet this requirement, our entire compressed air range is subject to stringent procedures and quality control:

- Compliance with standards and regulations
- Compliance with safety standards (ISO 4414 and ISO 6150 series C)*
- Consideration of operating and environmental conditions
- Strong materials
- Dedicated inspection procedures and equipment
- Individual operation and leak-tightness testing of each unit

 Complete protection of all products against the risk of violent flexible hose whiplash under pressure.

- * Our equipment consists of components. As such, it is your responsibility to:
- identify the standards and regulations applicable to your installation ensure that the components are correctly
- incorporated into your installation check that your installation complies with the applicable legislation

The compressed air network	4 & 5
Reminder of general information concerning compressed air	6
Tightness and economic-efficiency	7
RSI and NSI automatic quick release couplings	8 to 17
RCS and ERS automatic quick release couplings	18 to 27
RBS automatic	28 to 34
HJP polyurethane self-retracting connection units	35 & 36
ETF, ETO and ETO Compact automatic open or closed drum hose reels	37 to 42
SPG, SBG, STA and PML safety blowguns	43 to 54
HJP STA and PML blowing units	55 & 56
FRL filtration, regulation and lubrication units	57 to 60
FSB submicronic filters	61 to 65
Connection accessories	66 to 74
Flexible hoses	75 to 78

UA constant drive to innovate







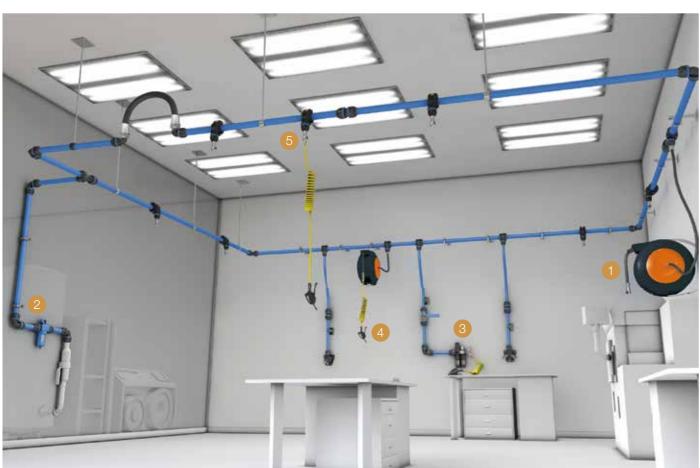
2 Compressed air programme Compressed air programme 3

From the compressed air network through to your end application: Stäubli safety and performance

As the partners to your projects, Stäubli's technicians have the expertise necessary to design or diagnose your compressed air networks.

They define and validate the equipment as a function of the application and required air quality and will recommend:

- the optimum dimensions depending on the air flow for distribution
- the components that make up your network
- the right accessories and components to meet your needs









Programme covers the entire network from general supply inlet through to the end of your equipment including: functions of distribution, filtration and connections.



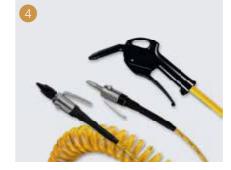
Open or closed drum hose reels for the efficient distribution of compressed air in workshops. (pages 37 to 42)



Filtration of particles and aerosols for high-quality air. (pages 61 to 65)



Economic network filtration, regulation and lubrication solution for the required air quality. (pages 57 to 60)



Safety blowguns and self-retracting blowing units for outstanding flexibility of use at workstations. (pages 43 to 56)



Wide range of safety couplings and selfretracting connection units for solutions for every one of your applications. (pages 8 to 36)

You will also find our other products at the end of this documentation (pages 75 to 87): connection accessories and flexible hoses.



Reminder of general information concerning compressed air

Maximumworkingpressure:themaximumpermittedpressure in atubeworkcomponent is the effectivemaximumpressure to which thecomponent in question can be subjectedin a given installation.The pressure isstated in bars or Pa (1 bar = 102 kPa).

Upstream pressure: pressure of the compressed air at the inlet to the socket/ plug pair.

Downstream pressure: pressure at the outlet

Pressure drop: pressure difference between the upstream and downstream pressure

Conversion table for pressure units

	1 bar = $\frac{10^5 \text{ N}}{\text{m}^2}$	1 at = 1 Kp cm ²	Poundal sq ft	Poundal sq in = Psi	1 atm
1 Pa = 1 N/m ²	1.10 ⁻⁵	1.02.10-5	0.0209	1.45.10-4	9.87.10 ⁻⁶
1 bar	1	1.0197	2089	14.504	0.9869
1 at	0.980665	1	2048	14.22	0.96784
1 pdl/sq ft	0.4790.10-3	0.4882.10-3	1	6.944.10 ⁻³	0.4725.10 ⁻³
1 pdl/sq in = Psi	0.06895	0.07031	144	1	0.06806
1 at	1.013	1.033	2120	14.70	1



Perfect leak-tightness for outstanding economic efficiency

1 - Known fact

From the compressor to the tool, between 15 and 30% of the compressed air is lost due to leaks.

2 - Calculation

A hole of 1 mm in your network can cause a loss of 20,880 m³/year of compressed air due to leaks.

1 additional bar of pressure increases your energy consumption by 6 to 7%.

So how much are you losing?

Volumes of air leaks as a function of hole diameter and the number of hours of operation per year at 7 bar

	4,000 h/year	6,000 h/year
Ø 1 mm	13,920 m³/year	20,880 m³/year
Ø 2 mm	55,680 m³/year	83,520 m³/year
Ø 3 mm	125.280 m³/vear	187.924 m³/year

3 - The solution

By choosing our ranges of quick release couplings, you optimise the leak-tightness of your networks and are therefore able to control your energy generation requirements: you save money and show your commitment to sustainable development.



Automatic quick release couplings



Applications

Connections for all compressed air circuits:

- Spurs on tubework
- Fittings on extension hoses

 Pneumatic tool connectors, air guns and automatic systems on machines In all types of industries.



Rotating button to always have the connections "to hand".



Raised push button version for easy

Male threaded sockets have a front seal fitted into the adaptor providing efficient sealing on connection.

Maximum lightness thanks to dedicated design and materials.

"Swivel version" coupling with 360° and 90° rotation for greater flexibility during use



For further details, refer to the RA105 product documentation.

NSI

Automatic quick release couplings



Applications

Quick connection of pneumatic tools.

Especially suitable for applications that are sensitive to the risk of scratching: finishing shops, the aeronautics industry, automotive plants, furniture manufacturing, stitching equipment, etc.



Front seal integrated in the shut-off.

Non-scratch design provides improved protection for vulnerable surfaces

Made from composite material and free from protruding metal parts, NSI sockets eliminate any risk of scratching and are particularly suited to vehicle body shops, furniture workshops, the aeronautics industry, etc.

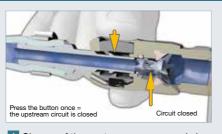
Lightweight

Manufactured from lightweight materials, all NSI sockets are very easy to handle.

Swivel anti-scratch versions: 2 versions for complete freedom of movement and top performance whatever the angle.

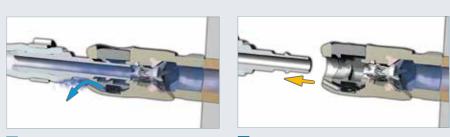






1 Closure of the upstream compressed air

Simply pressing the button once starts a fully automatic disconnection process:



2 Decompression of the upstream circuit.



3 Automatic disconnection of the plug as soon as the pressure level is low enough.



For further details, refer to the RA705 product documentation.

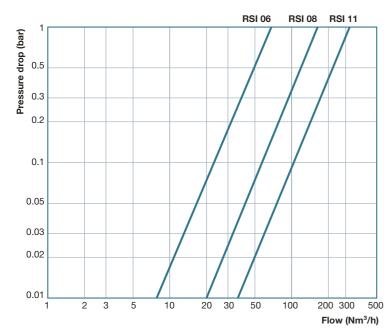
8 Compressed air programme Compressed air programme 9



RSI

	RSI 06	RSI 08	RSI 11
Max. working pressure (bar)	16	16	16
Ø straight through flow path (mm)	5.5	8	11
Cross section (mm²)	23.75	50	95
Connection force at 6 bar (N)	45	82	125
Flow at 0.3 bar pressure drop (Nm³/h)	39	94	180
Ø Socket o.d. (mm)	25.8	30.8	36

Pneumatic flow rate / pressure drop



Construction

- Socket body: stainless steel with 17% chromium
- Lock: heat treated steel
- Plug: hardened and ground stainless steel with 13% chromium
- Nitrile NBR seal
- Shut-off: socket: single shut-off plug: full flow
- Swivel coupling: high strength aluminium ball and socket

Test conditions:

- Flow direction: socket → plug
- Inlet pressure: 7 bar

The flow and pressure drops of all the components in your network influence its efficiency. Our experienced and knowledgeable sales engineers will help you optimise your systems performance.

Push-button lock option

Option available for Part-numbers with the "*" symbol.

Add $\ensuremath{\textit{ND}}$ at the end of the Part-number of the selected.

Part-numbers

Sockets

Description	Model	Fittings	Part-number
		G 1/4	RSI06.1151 *
1. SOCKETS WITH MALE THREAD			
		G 3/8	RSI06.1152 *
	RSI 06	G 1/2	RSI06.1153 *
		NPT 1/4	RSI06.1251
		NPT 3/8	RSI06.1252
		NPT 1/2	RSI06.1253
		G 1/4	RSI08.1151 *
		G 3/8	RSI08.1152 *
	RSI 08	G 1/2	RSI08.1153 *
		NPT 1/4	RSI08.1251
		NPT 3/8	RSI08.1252
		NPT 1/2	RSI08.1253
		G 3/8	RSI11.1152 *
		G 1/2	RSI11.1153 *
	RSI 11	G 3/4	RSI11.1154 *
	.10111	NPT 3/8	RSI11.1252
		NPT 1/2	RSI11.1253
		NPT 3/4	RSI11.1254
2. SOCKETS WITH FEMALE THREAD		G 1/8	RSI06.1100 *
-		G 1/4	RSI06.1101 *
		G 3/8	RSI06.1102 *
	RSI 06	G 1/2	RSI06.1103 *
		NPT 1/4	RSI06.1201
		NPT 3/8	RSI06.1202
		NPT 1/2	RSI06.1203
		G 1/4	RSI08.1101 *
		G 3/8	RSI08.1102 *
		G 1/2	RSI08.1103 *
	RSI 08	NPT 1/4	RSI08.1201
		NPT 3/8	RSI08.1202
		NPT 1/2	RSI08.1203
		G 3/8	RSI11.1102 *
		G 1/2	RSI11.1103 *
		G 3/4	RSI11.1104 *
	RSI 11	NPT 3/8	RSI11.1202
		NPT 1/2	RSI11.1203
		NPT 3/4	RSI11.1204
0.000/FT0.WITH TARREST FELLY		Rc 1/4	RSI06.1111
3. SOCKETS WITH TAPERED FEMALE THREAD	RSI 06	Rc 3/8	RSI06.1112
	1101 00	Rc 1/2	RSI06.1113
		Rc 1/2	RSI08.1111
	RSI 08	Rc 3/8	RSI08.1111
	NOI 00		RSI08.1112 RSI08.1113
		Rc 1/2	
4. PANEL MOUNTED SOCKETS WITH FEMALE THREAD		G 1/8	RSI06.2100 *
	RSI 06	G 1/4	RSI06.2101 *
		G 3/8	RSI06.2102 *
		NPT 3/8	RSI06.2202
1.7		G 1/4	RSI08.2101 *
	RSI 08	G 3/8	RSI08.2102 *
		G 1/2	RSI08.2103 *
		NPT 1/2	RSI08.2203
		G 3/8	RSI11.2102 *
	RSI 11	G 1/2	RSI11.2103 *
		G 3/4	RSI11.2104 *
		NPT 3/4	RSI11.2204

^{*} Part-numbers for which the push button lock option is available: add /VD at the end of the part-number. Coupling plugs: see page 27.



Part-numbers (continued)

Description	Model	Connection	Part-number
5. SOCKETS FOR RUBBER HOSE		Ø 6	RSI06.1806
		Ø 8	RSI06.1808
	RSI 06	Ø 10	RSI06.1810
		Ø 13	RSI06.1813
		Ø 8	RSI08.1808
	Del 00	Ø 10	RSI08.1810
	RSI 08	Ø 13	RSI08.1813
		Ø 16	RSI08.1816
		Ø 13	RSI11.1813
	RSI 11	Ø 16	RSI11.1816
		Ø 19	RSI11.1819
6. SOCKETS FOR POLYURETHANE TUBE	DCI oc	Ø 8 x 12	RSI06.1908/PU
	RSI 06	Ø 9 x 13	RSI06.1909/PU
		Ø 8 x 12	RSI08.1908/PU
	RSI 08	Ø 9 x 13	RSI08.1909/PU
		Ø 11 x 16	RSI08.1911/PU
	RSI 11	Ø 11 x 16	RSI11.1911/PU
7. SOCKETS FOR LORTAN HOSE		Ø 9 x 14.5	RSI06.1909/LT
	RSI 06	Ø 9.5 x 16	RSI06.1910/LT
	RSI 08	Ø 9.5 x 16	RSI08.1910/LT
		Ø 12.5 x 19	RSI08.1913/LT
8. 360° SWIVEL COUPLINGS WITH FEMALE THREAD	DSI 06	G 3/8	RSI06.1102/SW
	RSI 06	NPT 3/8	RSI06.1202/SW
	DOLOG	G 3/8	RSI08.1102/SW
	RSI 08	NPT 3/8	RSI08.1202/SW
9. 360° SWIVEL COUPLINGS		Ø8	RSI06.1808/SW
FOR RUBBER HOSE	RSI 06	Ø 10	RSI06.1810/SW
		Ø 13	RSI06.1813/SW
		Ø 8	RSI08.1808/SW
100 C	RSI 08	Ø 10	RSI08.1810/SW
		Ø 13	RSI08.1813/SW

Coupling plugs: see page 27.

Part-numbers (continuation and end)

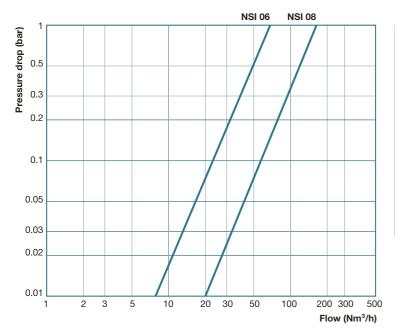
Description	Model	Connection	Part-number
10. 360° SWIVEL COUPLINGS	DOLOG	Ø 8 x 12	RSI06.1908/PU/SW
FOR POLYURETHANE TUBE	RSI 06	Ø 9 x 13	RSI06.1909/PU/SW
		Ø 8 x 12	RSI08.1908/PU/SW
	RSI 08	Ø 9 x 13	RSI08.1909/PU/SW
		Ø 11 x 16	RSI08.1911/PU/SW
11. 360° SWIVEL COUPLINGS FOR SELF-CLAMPING HOSE	RSI 06	Ø 1/2"	RSI06.1813/CN/SW
	RSI 08	Ø 1/2"	RSI08.1813/CN/SW
12. MOBILE MANIFOLD UNITS	RSI 06	Stäubli RBE 06 plug	RSI06.8600
	RSI 08	Stäubli RBE 08 plug	RSI08.8600
	RSI 11	Stäubli RBE 11 plug	RSI11.8600
13. FIXED MANIFOLD UNITS WITH FEMALE THREAD		G 1/4	RSI06.8101
A A	RSI 06	G 3/8	RSI06.8102
		G 1/2	RSI06.8103
	RSI 08	G 3/8	RSI08.8102
101	noi vo	G 1/2	RSI08.8103
	RSI 11	G 1/2	RSI11.8103
	110111	G 3/4	RSI11.8104
14. FIXED MANIFOLD UNITS WITH FEMALE THREAD (R = TAPERED GAS)		R 1/4	RSI06.8161
נוו – ותרבוובט מחטן	RSI 06	R 3/8	RSI06.8162
		R 1/2	RSI06.8163
	RSI 08	R 3/8	RSI08.8162
The state of the s	1101 00	R 1/2	RSI08.8163
	RSI 11	R 1/2	RSI11.8163
		R 3/4	RSI11.8164

Coupling plugs: see page 27.

NSI automatic quick release couplings

	NSI 06	NSI 08
Max. working pressure (bar)	12	12
Full flow Ø (mm)	5.5	8
Flow area (mm²)	23.75	50
Coupling force at 6 bar (N)	45	82
Flow at 0.3 bar pressure drop (Nm³/h)	39	91
External Ø of socket (mm)	27	32

Pneumatic flow rate / pressure drop



Construction

- Coupling body: antistatic composite material
- Treated steel lock
- Coupling plug: stainless steel with 13% hardened chromium, ground
- NBR nitrile seal
- Shut-off: socket: single shut-off plug: full flow
- FA Swivel coupling: body made from high-strength stainless steel with rubber guard
- SW Swivel coupling: body made from high-strength aluminium with rubber guard

- Test conditions:
 Direction of flow: socket → plug
- Inlet pressure: 7 bar

The flow and pressure drops at all the components in your network influence its efficiency. Thanks to their expertise, our consultants can help you and offer complete solutions that guarantee optimized performance.

Part-numbers

Description	Model	Connection	Part-number
1. SOCKETS WITH MALE THREAD		G 1/4	NSI06.1151
_		G 3/8	NSI06.1152
10-W	NSI 06	G 1/2	NSI06.1153
	1431 00	NPT 1/4	NSI06.1251
		NPT 3/8	NSI06.1252
		NPT 1/2	NSI06.1253
		G 1/4	NSI08.1151
		G 3/8	NSI08.1152
	NSI 08	G 1/2	NSI08.1153
	1101 00	NPT 1/4	NSI08.1251
		NPT 3/8	NSI08.1252
		NPT 1/2	NSI08.1253
2. SOCKETS WITH FEMALE THREAD		G 1/4	NSI06.1101
		G 3/8	NSI06.1102
W Commonwealth of the common o	NSI 06	G 1/2	NSI06.1103
	1401 00	NPT 1/4	NSI06.1201
		NPT 3/8	NSI06.1202
		NPT 1/2	NSI06.1203
		G 1/4	NSI08.1101
		G 3/8	NSI08.1102
	NSI 08	G 1/2	NSI08.1103
	Norvo	NPT 1/4	NSI08.1201
		NPT 3/8	NSI08.1202
		NPT 1/2	NSI08.1203
3. SOCKETS WITH TAPERED FEMALE THREAD		Rc 1/4	NSI06.1111
	NSI 06	Rc 3/8	NSI06.1112
		Rc 1/2	NSI06.1113
	NSI 08	Rc 1/4	NSI08.1111
		Rc 3/8	NSI08.1112
		Rc 1/2	NSI08.1113
4. SOCKETS FOR RUBBER HOSE		Ø 6	NSI06.1806
	NSI 06	Ø 8	NSI06.1808
	110100	Ø 10	NSI06.1810
		Ø 13	NSI06.1813
		Ø 8	NSI08.1808
	NSI 08	Ø 10	NSI08.1810
		Ø 13	NSI08.1813
5. SOCKETS FOR POLYURETHANE TUBE	NSI 06	Ø 8 x 12	NSI06.1908/PU
		Ø 9 x 13	NSI06.1909/PU
		Ø 8 x 12	NSI08.1908/PU
	NSI 08	Ø 9 x 13	NSI08.1909/PU
		Ø 11 x 16	NSI08.1911/PU
6. SOCKETS FOR LORTAN HOSE	NSI 06	Ø 9 x 14.5	NSI06.1909/LT
	1401 00	Ø 9.5 x 16	NSI06.1910/LT
	NSI 08	Ø 9.5 x 16	NSI08.1910/LT
		Ø 12.5 x 19	NSI08.1913/LT

Coupling plugs: see page 27.

14 Compressed air programme Compressed air programme 15

Part-numbers (continued)

Description	Model	Connection	Part-number
7. FA 360° SWIVEL COUPLINGS WITH FEMALE THREAD	NSI 06	G 3/8	NSI06.1102/FA
	NSI 08	G 3/8	NSI08.1102/FA
8. FA 360° SWIVEL COUPLINGS FOR RUBBER HOSE		Ø 8	NSI06.1808/FA
	NSI 06	Ø 10	NSI06.1810/FA
		Ø 13	NSI06.1813/FA
		Ø 8	NSI08.1808/FA
	NSI 08	Ø 10	NSI08.1810/FA
		Ø 13	NSI08.1813/FA
9. FA 360° SWIVEL COUPLINGS FOR POLYURETHANE TUBE	NSI 06	Ø 8 x 12	NSI06.1908/PU/FA
TOTAL TODA		Ø 9 x 13	NSI06.1909/PU/FA
	NSI 08	Ø 8 x 12	NSI08.1908/PU/FA
		Ø 9 x 13	NSI08.1909/PU/FA
		Ø 11 x 16	NSI08.1911/PU/FA
10. FA 360° SWIVEL COUPLINGS FOR SELF-CLAMPING HOSE	NSI 06	Ø 1/2"	NSI06.1813/CN/FA
	NSI 08	Ø 1/2"	NSI08.1813/CN/FA

Coupling plugs: see page 27.

Part-numbers (continuation and end)

Description	Model	Connection	Part-number
11. SW 360° SWIVEL COUPLINGS WITH FEMALE THREAD		G 3/8	NSI06.1102/SW
WITH PENALE THREAD	NSI 06	NPT 3/8	NSI06.1202/SW
	NSI 08	G 3/8	NSI08.1102/SW
	NSI 00	NPT 3/8	NSI08.1202/SW
12. SW 360° SWIVEL COUPLINGS FOR RUBBER HOSE		Ø 8	NSI06.1808/SW
	NSI 06	Ø 10	NSI06.1810/SW
		Ø 13	NSI06.1813/SW
	NSI 08	Ø 8	NSI08.1808/SW
		Ø 10	NSI08.1810/SW
		Ø 13	NSI08.1813/SW
13. SW 360° SWIVEL COUPLINGS FOR POLYURETHANE TUBE	NSI 06	Ø 8 x 12	NSI06.1908/PU/SW
		Ø 9 x 13	NSI06.1909/PU/SW
	NSI 08	Ø 8 x 12	NSI08.1908/PU/SW
		Ø 9 x 13	NSI08.1909/PU/SW
		Ø 11 x 16	NSI08.1911/PU/SW
14. SW 360° SWIVEL COUPLINGS FOR SELF-CLAMPING HOSE	NSI 06	Ø 1/2	NSI06.1813/CN/SW
	NSI 08	Ø 1/2	NSI08.1813/CN/SW

Coupling plugs: see page 27.



RCS Automatic quick release couplings



Applications

Connections for all compressed air networks:

- Tappings at conduits
- Extension equipment

 Connection of pneumatic tools, blowguns and automatic devices to machines

In all types of industries.

Automatic and ergonomic

Pleasant to handle, easy to connect and disconnect, our RCS couplings ensure the operator's comfort and contribute to his effectiveness.

Excellent efficiency for optimised productivity

Every one of our couplings is individually tested for performance and offers an excellent flow volume, thus playing its part in the efficiency of your compressed air installations.

Long term reliability

The RCS range uses designed-to-last technology to provide a long service life and low running costs.

ERS Automatic quick release couplings



Applications

Fast connection of pneumatic tools.

Particularly well-suited for sensitive applications with a risk of scratches:

finishing shops, aeronautics, automotive construction, furniture-making, stapler equipment, etc.

Anti-scratch

Thanks to its design and its fully polyamide protecting spring, with no visible metal parts, this is the ideal coupling for the most delicate jobs.

Lightweight

Made from lightweight materials, the ERS coupling is very easy to handle.
As a result, it is particularly appreciated by users of pneumatic tools.

Automatic coupling

Simply push the plug into the socket.

Reliable

All internal wear parts are made of hardened

Lasting leak-tightness

The insertion and long guide of the plug in the hardened surfaces guarantee long-term leak-tightness.

Swivel version: 2 versions for complete freedom of movement and top performance whatever the angle

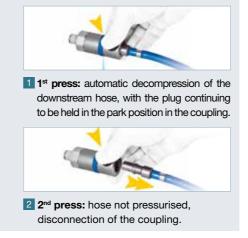




Operator safety thanks to the anti-hose whip safety function on uncoupling

2 pushes to eliminate risks of dangerous hose whip under pressure.

This safety function complies with standard ISO 4414.



Swivel version: 2 versions for complete freedom of movement and top performance whatever the angle.



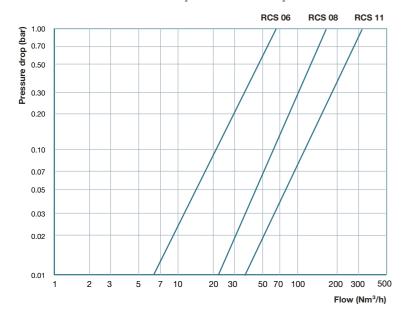


For further details, refer to the RA100 product documentation.

RCS automatic quick release couplings

	RCS 06	RCS 08	RCS 11
Max. working pressure (bar)	12	16	16
Full flow Ø (mm)	5.5	8	11
Flow area (mm²)	23.75	50	95
Coupling force at 6 bar (N)	90	98	125
Flow at 0.3 bar pressure drop (Nm³/h)	35	94	180

Pneumatic flow rate / pressure drop



Construction

- Shutoff: single shutoff socket free passage plug
- Socket bodies: 17% chrome stainless steel
- Plug: hardened and ground 13% chrome stainless steel
- Monobloc lock: hardened 13% chrome stainless steel
- Nitrile seals (NBR)
- Ball joint (revolving coupling): high strength aluminium

Test conditions:

- Direction of flow: socket → plug
- Inlet pressure: 6 bar

The flow and pressure drop of all your compressed air circuit components influence efficiency. Our experienced and knowledgeable sales engineers will help you optimise your systems performance.

Push-button lock option

Option available for part-numbers with the "*" symbol

Add **/VD** at the end of the part-number of the selected coupling part-number.

Part-numbers

Description	Model	Connection	Part-number
1. SOCKETS WITH MALE THREAD		G 1/4	RCS06.1151*
II OOOKETO WITH MALE TIMEAD		G 3/8	RCS06.1152*
	200.00	G 1/2	RCS06.1153*
	RCS 06	NPT 1/4	RCS06.1251
		NPT 3/8	RCS06.1252
		NPT 1/2	RCS06.1253
		G 1/4	RCS08.1151*
		G 3/8	RCS08.1152*
		G 1/2	RCS08.1153*
	RCS 08	NPT 1/4	RCS08.1251
		NPT 3/8	RCS08.1252
		NPT 1/2	RCS08.1253
		G 3/8	RCS11.1152*
		G 1/2	RCS11.1153*
		G 3/4	RCS11.1154*
	RCS 11	NPT 3/8	RCS11.1252
		NPT 1/2	RCS11.1253
		NPT 3/4	RCS11.1254
2. PRE-TEFLONNED SOCKETS	200.00	R 1/4	RCS06.1161*
WITH TAPERED MALE THREAD	RCS 06	R 3/8	RCS06.1162*
		R 1/2	RCS06.1163*
		R 1/4	RCS08.1161*
	RCS 08	R 3/8	RCS08.1162*
· · · · · · · · · · · · · · · · · · ·		R 1/2	RCS08.1163*
3. SOCKETS WITH FEMALE THREAD		G 1/4	RCS06.1101*
		G 3/8	RCS06.1102*
AND DESCRIPTION OF THE PERSON	RCS 06	G 1/2	RCS06.1103*
		NPT 1/4	RCS06.1201
		NPT 3/8	RCS06.1202
		NPT 1/2	RCS06.1203
		G 1/4	RCS08.1101*
		G 3/8	RCS08.1102*
	RCS 08	NPT 1/4	RCS08.1201
	NO3 00	NPT 3/8	RCS08.1202
		NPT 1/2	RCS08.1203
		G 1/2	RCS08.1103*
		G 3/8	RCS11.1102*
		G 1/2	RCS11.1103*
	DOC 44	G 3/4	RCS11.1104*
	RCS 11	NPT 3/8	RCS11.1202
		NPT 1/2	RCS11.1203
		NPT 3/4	RCS11.1204
4. PANEL MOUNTED SOCKETS		G 1/8	RCS06.2100*
WITH FEMALE THREAD		G 1/4	RCS06.2101*
 	RCS 06	G 3/8	RCS06.2102*
		NPT 1/4	RCS06.2201*
		NPT 3/8	RCS06.2202*
		G 1/4	RCS08.2101*
		G 3/8	RCS08.2102*
		G 1/2	RCS08.2103*
	RCS 08	NPT 1/4	RCS08.2201*
		NPT 3/8	RCS08.2202*
		NPT 1/2	RCS08.2203*
		G 3/8	RCS11.2102*
		G 1/2	RCS11.2102*
		G 3/4	
	RCS 11		RCS11.2104*
		NPT 3/8	RCS11.2202*
		NPT 1/2	RCS11.2203*
		NPT 3/4	RCS11.2204*



Part-numbers (continued)

Description	Model	Connection	Part-number
5. SOCKETS FOR RUBBER HOSE		Ø 6	RCS06.1806*
	RCS 06	Ø 8	RCS06.1808*
	1100 00	Ø 10	RCS06.1810*
		Ø 13	RCS06.1813*
		Ø 8	RCS08.1808*
	B00 00	Ø 10	RCS08.1810*
	RCS 08	Ø 13	RCS08.1813*
		Ø 16	RCS08.1816*
		Ø 13	RCS11.1813*
	RCS 11	Ø 16	RCS11.1816*
		Ø 19	RCS11.1819*
6. SW SWIVEL COUPLINGS WITH FEMALE THREAD	B00.00	G 3/8	RCS06.1102/SW
WITH FEMALE THREAD	RCS 06	NPT 3/8	RCS06.1202/SW
	RCS 08	G 3/8	RCS08.1102/SW
		NPT 3/8	RCS08.1202/SW
7. SW SWIVEL COUPLINGS FOR RUBBER HOSE		Ø 8	RCS06.1808/SW
TOTTHOUSE	RCS 06	Ø 10	RCS06.1810/SW
		Ø 13	RCS06.1813/SW
		Ø 8	RCS08.1808/SW
	RCS 08	Ø 10	RCS08.1810/SW
		Ø 13	RCS08.1813/SW
8. SW SWIVEL COUPLINGS FOR SELF-CLAMPING HOSE	RCS 06	Ø 1/2"	RCS06.1813/CN/SW
	RCS 08	Ø 1/2"	RCS08.1813/CN/SW
9. SW SWIVEL COUPLINGS FOR POLIVIPETHANE TURE		Ø 1/2" Ø 8 x 12	RCS08.1813/CN/SW RCS06.1908/PU/SW
9. SW SWIVEL COUPLINGS FOR POLYURETHANE TUBE	RCS 08		
	RCS 06	Ø 8 x 12	RCS06.1908/PU/SW
		Ø 8 x 12 Ø 9 x 13	RCS06.1908/PU/SW RCS06.1909/PU/SW

^{*} Part-numbers for which the push button lock option is available: add /VD at the end of the part-number. Coupling plugs: see page 27.

Part-numbers (continuation and end)

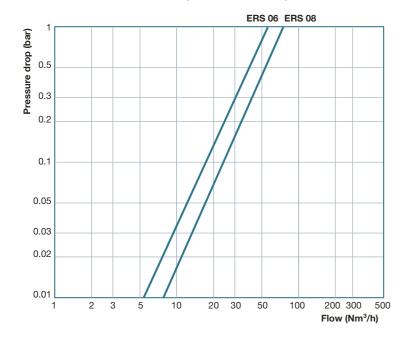
Description	Model	Connection	Part-number
10. FA 360° SWIVEL COUPLINGS WITH FEMALE THREAD	RCS 06	G 1/4	RCS06.1101/FA
		G 3/8	RCS06.1102/FA
		NPT 1/4	RCS06.1201/FA
		NPT 3/8	RCS06.1202/FA
		G 1/4	RCS08.1101/FA
	B00.00	G 3/8	RCS08.1102/FA
	RCS 08	NPT 1/4	RCS08.1201/FA
		NPT 3/8	RCS08.1202/FA
11. FA 360° SWIVEL COUPLINGS FOR RUBBER HOSE		Ø 6	RCS06.1806/FA
	B00.00	Ø 8	RCS06.1808/FA
	RCS 06	Ø 10	RCS06.1810/FA
		Ø 13	RCS06.1813/FA
		Ø 6	RCS08.1806/FA
	BOC 00	Ø 8	RCS08.1808/FA
	RCS 08	Ø 10	RCS08.1810/FA
		Ø 13	RCS08.1813/FA
	RCS 11	Ø 13	RCS11.1813/FA
12. FA 360° SWIVEL COUPLINGS	DCS 06	Ø 3/8"	RCS06.1810/CN/FA
FOR SELF-CLAMPING HOSE	RCS 06	Ø 1/2"	RCS06.1813/CN/FA
	DCC 00	Ø 3/8"	RCS08.1810/CN/FA
	RCS 08	Ø 1/2"	RCS08.1813/CN/FA
13. FA 360° SWIVEL COUPLINGS	RCS 06	Ø 8 x 12	RCS06.1908/PU/FA
FOR POLYURETHANE TUBE	NC3 00	Ø 9 x 13	RCS06.1909/PU/FA
		Ø 8 x 12	RCS08.1908/PU/FA
	RCS 08	Ø 9 x 13	RCS08.1909/PU/FA
		Ø 11 x 16	RCS08.1911/PU/FA
	RCS 11	Ø 11 x 16	RCS11.1911/PU/FA
14. MOBILE MANIFOLD UNITS	RCS 06		RCS06.8600*
	RCS 08		RCS08.8600*
	RCS 11		RCS11.8600*
15. FIXED MANIFOLD UNITS		G 1/4	RCS06.8101*
A (A)	RCS 06	G 3/8	RCS06.8102*
		G 1/2	RCS06.8103*
	RCS 08	G 1/2	RCS08.8103*
110	RCS 11	G 1/2	RCS11.8103*
		G 3/4	RCS11.8104*

^{*} Part-numbers for which the push button lock option is available: add ND at the end of the part-number. Coupling plugs: see page 27.

ERS automatic quick release couplings

	ERS 06	ERS 08
Max. working pressure (bar)	12	10
Full flow Ø (mm)	5.5	8
Flow area (mm²)	23.75	50

Pneumatic flow rate / pressure drop



Test conditions:

- Δp max. = 1 bar
- Direction of flow: socket → plug
- Inlet pressure: 6 bar

Part-numbers

Description	Model	Connection	Part-number
1. SOCKETS WITH MALE THREAD	ERS 06	G 1/4	ERS06.1151
		G 3/8	ERS06.1152
		G 1/2	ERS06.1153
	En3 00	NPT 1/4	ERS06.1251
		NPT 3/8	ERS06.1252
GAZ		NPT 1/2	ERS06.1253
	ERS 08	G 1/4	ERS08.1151
<u></u> -		G 3/8	ERS08.1152
		G 1/2	ERS08.1153
	End uo	NPT 1/4	ERS08.1251
NPT		NPT 3/8	ERS08.1252
		NPT 1/2	ERS08.1253

^{*} Part-numbers for which the push button lock option is available: add ND at the end of the part-number. Coupling plugs: see page 27.

Part-numbers (continued)

2. SOCKETS WITH FEMALE THREAD ERS 06 G 1/2 G 3/8 G 1/2 G 1/2 ERS 06, 1103 NPT 1/4 RES 06, 1202 G 1/4 G 3/8 G 1/2 G 1/4 G 1/2 G 1/4 G 1/2 G 1/4 G 1/2 G 1/4 G 1/2 G 1	Description	Model	Connection	Part-number
ERS 06 G 1/2 RPT 1/4 ERS 06.1201 NPT 3/8 ERS 06.1202 G 1/4 ERS 06.1202 G 1/4 ERS 06.1202 G 1/4 ERS 06.1202 G 1/2 ERS 06.1202 G 1/2 ERS 06.1103 NPT 1/4 ERS 06.1102 G 3/6 ERS 06.1102 G 1/2 ERS 06.1103 NPT 1/4 ERS 06.1103 NPT 1/4 ERS 06.1103 NPT 1/2 ERS 06.1202 NPT 1/2 ERS 06.1203 3. SOCKETS FOR RUBBER HOSE ERS 06 G 6 ERS 06.1206 G 8 ERS 06.1206 G 8 ERS 06.1206 G 8 ERS 06.1206 G 10 ERS 06.1102/FA NPT 1/4 ERS 06.1201/FA NPT 1/4 ERS 07.101 ERS 06.1201/FA NPT 1/4 ERS 07.101 ERS 06.1201 ERS 06.1201 ERS 06.1201 ERS 06.1201 ERS 06.1201 ERS 06.1201 ERS	2. SOCKETS WITH FEMALE THREAD		G 1/4	ERS06.1101
NPT 1/4			G 3/8	ERS06.1102
NPT 3/8		ERS 06	G 1/2	ERS06.1103
## CRS 08 G 1/4			NPT 1/4	ERS06.1201
ERS 08 ERS 08			NPT 3/8	ERS06.1202
ERS 08 G 1/2 ERS 08.1103 NPT 1/4 ERS 08.1201 NPT 3/8 ERS 08.1202 NPT 1/2 ERS 08.1203 3. SOCKETS FOR RUBBER HOSE O 6 ERS 06 O 6 ERS 06.1806 O 8 ERS 06.1806 O 10 ERS 06.1806 O 13 ERS 06.1813 O 8 ERS 08.1813 O 8 ERS 08.1813 O 10 ERS 08.1813 O 13 ERS 08.1810 O 13 ERS 08.1810 O 13 ERS 08.1810 O 13 ERS 08.1813 ERS 06.1806/CN ERS 06 O 3/8" ERS 06.1806/PU O 9 x 13 ERS 06.1906/PU O 9 x 13 ERS 06.1909/PU ERS 08 O 9 x 14.5 ERS 08.1910/LT O 9.5 x 16 ERS 08.1910/LT			G 1/4	ERS08.1101
ERS 08 NPT 1/4 ERS08.1201 NPT 3/8 ERS08.1202 NPT 1/2 ERS08.1203 3. SOCKETS FOR RUBBER HOSE ERS 06 ERS 06 O 8 ERS06.1806 O 8 ERS06.1808 O 10 ERS06.1813 O 8 ERS 08 ERS 08 O 10 ERS08.1813 O 8 ERS 08.1813 O 8 ERS 08.1813 O 10 ERS08.1813 O 10 ERS08.1813 O 10 ERS08.1816 O 13 ERS08.1813 O 10 ERS08.1816 O 13 ERS08.1808 ERS 08 O 10 ERS08.1816 O 13 ERS08.1817 O 14" ERS06.1806/CN ERS 06 O 3/8" ERS06.1806/CN ERS 06 O 3/8" ERS06.1806/PU O 9 x 13 ERS08.1909/PU O 9 x 13 ERS08.1909/PU ERS 08 O 9 x 13 ERS08.1909/PU O 9 x 13 ERS08.1909/PU ERS 08 O 9 x 14.5 ERS 08.1909/PU O 9 x 16 ERS 08.1910/LT O 9 x 16 ERS 08.1910/LT O 12.5 x 19 ERS08.1910/LT ERS 08 ERS 08 ERS 08 ERS08.1910/FA ERS 08 ERS 08 ERS 08.1102/FA ERS 08 ERS 08.1102/FA ERS 08 ERS 08.1102/FA			G 3/8	ERS08.1102
NPT 1/4			G 1/2	ERS08.1103
3. SOCKETS FOR RUBBER HOSE ERS 06 ERS 06 ERS 06 ERS 06 ERS 06.1806 0 8 ERS 06.1808 0 10 ERS 06.1813 0 8 ERS 08.1810 0 13 ERS 08.1810 0 13 ERS 08.1810 0 13 ERS 08.1810 2 13 ERS 08.1813 4. SOCKETS FOR SELF-CLAMPING SELF-CLAMPING HOSE ERS 06 0 1/4" ERS 06.1806/CN ERS 06 0 3/8" ERS 06.1806/CN 5. SOCKETS FOR POLYURETHANE TUBE ERS 06 ERS 06 0 9 x 13 ERS 06.1909/PU 0 9 x 13 ERS 06.1909/PU 6. SOCKETS FOR LORTAN HOSE ERS 06 0 9 x 14.5 ERS 08.1909/PU 6. SOCKETS FOR LORTAN HOSE ERS 06 0 9 x 14.5 ERS 08.1909/PU 6. SOCKETS FOR LORTAN HOSE ERS 06 0 9 x 14.5 ERS 08.1909/PU 6. SOCKETS FOR LORTAN HOSE ERS 06 0 9 x 14.5 ERS 08.1909/PU 6. SOCKETS FOR LORTAN HOSE ERS 06 1 1/4 ERS 08.1910/LT 0 9.5 x 16 ERS 08 ERS 08.1910/LT 0 9.5 x 16 ERS 08.1910/LT 0 9.5 x 16 ERS		ERS 08	NPT 1/4	ERS08.1201
3. SOCKETS FOR RUBBER HOSE ERS 06 ERS 06 ERS 06 ERS 06 ERS 06.1808 Ø 10 ERS 06.1808 Ø 10 Ø 13 ERS 06.1806 Ø 13 ERS 06.1810 Ø 13 ERS 06.1810 Ø 13 ERS 06.1810 Ø 13 ERS 06.1806/CN Ø 3/8" ERS 06.1806/CN ERS 06 Ø 8 x 12 ERS 06.1806/CN Ø 9 x 13 ERS 06.1806/CN Ø 9 x 13 ERS 06.1909/PU Ø 9 x 13 ERS 06.1909/PU Ø 11 x 16 ERS 06.1909/PU Ø 11 x 16 ERS 06.1909/PU Ø 9 x 14.5 ERS 06.1909/PU Ø 9 x 14.5 ERS 06.1909/LT Ø 9 5 x 16 ERS 06.1909/LT Ø 9 5 x 16 ERS 06.1901/LT Ø 9 5 x 16 ERS 06.1901/LT Ø 12.5 x 19 ERS 06.1901/LT Ø 12.5 x 19 ERS 06.1101/FA WITH FEMALE THREAD ERS 06 ERS 06 ERS 06 Ø 3/8 ERS 06.1202/FA NPT 1/4 ERS 06.1102/FA			NPT 3/8	ERS08.1202
ERS 06 0 8			NPT 1/2	ERS08.1203
ERS 06 0 10	3. SOCKETS FOR RUBBER HOSE		Ø 6	ERS06.1806
## Company of the com		======	Ø 8	ERS06.1808
ERS 08 0 8		ERS 06	Ø 10	ERS06.1810
## Company of the com			Ø 13	ERS06.1813
## Company of the com			Ø8	ERS08.1808
4. SOCKETS FOR SELF-CLAMPING SELF-CLAMPING HOSE ERS 06 ERS 08		ERS 08	Ø 10	ERS08.1810
ERS 06 0 3/8" ERS06.1810/CN			Ø 13	ERS08.1813
0 3/8" ERS06.1810/CN 5. SOCKETS FOR POLYURETHANE TUBE ERS 06 ERS 06 0 8 x 12 0 9 x 13 ERS06.1909/PU 0 8 x 12 ERS 08.1908/PU 0 11 x 16 ERS 08.1910/PU 6. SOCKETS FOR LORTAN HOSE ERS 06 0 9 x 14.5 ERS 06 0 9 x 14.5 ERS 06.1910/LT 0 9.5 x 16 ERS 08.1910/LT 0 9.5 x 16 ERS 08.1910/LT 7. FA 360° SWIVEL COUPLINGS WITH FEMALE THREAD ERS 06 ERS 06 0 9 x 14.5 ERS 08 0 9 x 14.5 ERS 06.1910/LT 0 9.5 x 16 ERS 08.1910/LT 0 12.5 x 19 ERS 06.1101/FA WITH FEMALE THREAD ERS 06 NPT 1/4 ERS 06.1102/FA NPT 3/8 ERS 06.1102/FA NPT 3/8 ERS 06.1102/FA NPT 1/4 ERS 08.1102/FA NPT 1/4 ERS 08.1102/FA NPT 1/4 ERS 08.1102/FA	4. SOCKETS FOR SELF-CLAMPING SELF-CLAMPING HOSE	FRS 06	Ø 1/4''	ERS06.1806/CN
ERS 06 0 9 x 13 ERS 06.1909/PU 0 8 x 12 ERS 08.1908/PU 0 9 x 13 ERS 08.1908/PU 0 9 x 13 ERS 08.1908/PU 0 9 x 13 ERS 08.1909/PU 0 11 x 16 ERS 08.1911/PU 6. SOCKETS FOR LORTAN HOSE ERS 06 0 9 x 14.5 ERS 06.1909/LT 0 9.5 x 16 ERS 06.1909/LT 0 9.5 x 16 ERS 08.1910/LT 0 9.5 x 16 ERS 08.1910/LT 0 12.5 x 19 ERS 08.1910/LT G 3/8 ERS 06.1102/FA NPT 1/4 ERS 06.1202/FA G 3/8 ERS 06.1102/FA NPT 3/8 ERS 08.1101/FA G 3/8 ERS 08.1102/FA NPT 1/4 ERS 08.1102/FA NPT 1/4 ERS 08.1102/FA NPT 1/4 ERS 08.1102/FA NPT 1/4 ERS 08.1102/FA		LN3 00	Ø 3/8''	ERS06.1810/CN
## Company of the com	5. SOCKETS FOR POLYURETHANE TUBE	FRS 06	Ø 8 x 12	ERS06.1908/PU
ERS 08 ### OP 9 x 13 ### OF 11 x 16 ### OF 12.5 x 19 ### ERS 06 ### OF 12.5 x 19 ### ERS 06.1102/FA ### OF 12.6 x 19 ### ERS 06.1102/FA ### OF 12.6 x 19 ### ERS 06.1102/FA ### OF 12.6 x 19 ###		LN3 00	Ø 9 x 13	ERS06.1909/PU
6. SOCKETS FOR LORTAN HOSE ERS 06 ERS 06 0 9 x 14.5 ERS 06.1910/LT 0 9.5 x 16 ERS 08.1911/PU ERS 08 0 9 x 14.5 ERS 06.1910/LT 0 9.5 x 16 ERS 08.1910/LT 0 12.5 x 19 ERS 08.1913/LT 7. FA 360° SWIVEL COUPLINGS WITH FEMALE THREAD ERS 06 0 1/4 ERS 06.1101/FA G 3/8 ERS 06.1201/FA NPT 1/4 ERS 06.1201/FA G 3/8 ERS 08.1101/FA G 3/8 ERS 08.1101/FA ERS 08.1101/FA			Ø 8 x 12	ERS08.1908/PU
6. SOCKETS FOR LORTAN HOSE ERS 06 ERS 06 © 9.5 x 16 ERS 08.1910/LT Ø 9.5 x 16 ERS 08.1910/LT Ø 12.5 x 19 ERS 08.1913/LT 7. FA 360° SWIVEL COUPLINGS WITH FEMALE THREAD ERS 06 ERS 06.1101/FA G 3/8 ERS 06.1102/FA NPT 1/4 ERS 06.1202/FA G 1/4 ERS 06.1202/FA NPT 3/8 ERS 06.1102/FA NPT 3/8 ERS 08.1101/FA ERS 08.1101/FA ERS 08.1101/FA		ERS 08	Ø 9 x 13	ERS08.1909/PU
ERS 06 Page 12.5 x 16 ERS06.1910/LT			Ø 11 x 16	ERS08.1911/PU
ERS 08 ERS 08 ERS 08 ERS 08 ERS 08.1910/LT Ø 9.5 x 16 ERS 08.1910/LT Ø 12.5 x 19 ERS 08.1913/LT 7. FA 360° SWIVEL COUPLINGS WITH FEMALE THREAD ERS 06 ERS 06.1101/FA G 3/8 ERS 06.1102/FA NPT 1/4 ERS 06.1201/FA G 3/8 ERS 08.1101/FA G 3/8 ERS 08.1101/FA RPT 1/4 ERS 08.1101/FA ERS 08.1101/FA	6. SOCKETS FOR LORTAN HOSE	FRS 06	Ø 9 x 14.5	ERS06.1909/LT
ERS 08 Ø 12.5 x 19 ERS08.1913/LT 7. FA 360° SWIVEL COUPLINGS WITH FEMALE THREAD ERS 06 ERS 06 Ø 12.5 x 19 ERS06.1101/FA G 3/8 ERS06.1102/FA NPT 1/4 RES06.1202/FA G 3/8 ERS06.1202/FA G 3/8 ERS08.1101/FA G 3/8 ERS08.1102/FA NPT 1/4 ERS08.1102/FA RES08.1201/FA		L110 00	Ø 9.5 x 16	ERS06.1910/LT
7. FA 360° SWIVEL COUPLINGS WITH FEMALE THREAD ERS 06 ERS 06 FRS 06.1101/FA G 3/8 ERS 06.1102/FA NPT 1/4 RS 06.1201/FA G 3/8 ERS 06.1202/FA G 3/8 ERS 06.1202/FA FRS 08.1101/FA RPT 3/8 G 3/8 ERS 08.1101/FA ERS 08.1101/FA FRS 08.1101/FA		FRS 08	Ø 9.5 x 16	ERS08.1910/LT
WITH FEMALE THREAD ERS 06 G 3/8 ERS06.1102/FA NPT 1/4 ERS06.1201/FA NPT 3/8 ERS06.1202/FA G 1/4 ERS08.1101/FA G 3/8 ERS08.1101/FA RPT 1/4 ERS08.1102/FA NPT 1/4 ERS08.1201/FA		L110 00	Ø 12.5 x 19	ERS08.1913/LT
ERS 06 G 3/8 ERS06.1102/FA			G 1/4	ERS06.1101/FA
RPT 1/4 ERS06.1201/FA NPT 3/8 ERS06.1202/FA G 1/4 ERS08.1101/FA G 3/8 ERS08.1102/FA NPT 1/4 ERS08.1201/FA	WITH FEMALE THREAD	FRS 06	G 3/8	ERS06.1102/FA
G 1/4 ERS08.1101/FA G 3/8 ERS08.1102/FA NPT 1/4 ERS08.1201/FA		210 00	NPT 1/4	ERS06.1201/FA
ERS 08 G 3/8 ERS08.1102/FA NPT 1/4 ERS08.1201/FA			NPT 3/8	ERS06.1202/FA
NPT 1/4 ERS08.1201/FA			G 1/4	ERS08.1101/FA
NPT 1/4 ERS08.1201/FA		FRS 08	G 3/8	ERS08.1102/FA
NPT 3/8 ERS08.1202/FA		Eng vo	NPT 1/4	ERS08.1201/FA
			NPT 3/8	ERS08.1202/FA

Coupling plugs: see page 27.

Part-numbers (continuation and end)

Description	Model	Connection	Part-number
8. FA 360° SWIVEL COUPLINGS		Ø 6	ERS06.1806/FA
FOR RUBBER HOSE	ERS 06	Ø8	ERS06.1808/FA
		Ø 10	ERS06.1810/FA
		Ø 13	ERS06.1813/FA
		Ø 6	ERS08.1806/FA
	FDC 00	Ø8	ERS08.1808/FA
	ERS 08	Ø 10	ERS08.1810/FA
		Ø 13	ERS08.1813/FA
9. FA 360° SWIVEL COUPLINGS	FDC 00	Ø 8 x 12	ERS06.1908/PU/FA
FOR POLYURETHANE TUBE	ERS 06	Ø 9 x 13	ERS06.1909/PU/FA
		Ø 8 x 12	ERS08.1908/PU/FA
	ERS 08	Ø 9 x 13	ERS08.1909/PU/FA
		Ø 11 x 16	ERS08.1911/PU/FA
10. FA 360° SWIVEL COUPLINGS FOR SELF-CLAMPING HOSE	EDC 00	Ø 3/8"	ERS06.1810/CN/FA
FOR SELF-CLAMPING HOSE	ERS 06	Ø 1/2"	ERS06.1813/CN/FA
		Ø 3/8"	ERS08.1810/CN/FA
	ERS 08	Ø 1/2"	ERS08.1813/CN/FA
11. W 360° SWIVEL COUPLINGS	EDC 00	G 3/8	ERS06.1102/SW
WITH FEMALE THREAD	ERS 06	NPT 3/8	ERS06.1202/SW
	EDC 00	G 3/8	ERS08.1102/SW
***************************************	ERS 08	NPT 3/8	ERS08.1202/SW
12. SW 360° SWIVEL COUPLINGS		Ø8	ERS06.1808/SW
FOR RUBBER HOSE	ERS 06	Ø 10	ERS06.1810/SW
		Ø 13	ERS06.1813/SW
		Ø 8	ERS08.1808/SW
	ERS 08	Ø 10	ERS08.1810/SW
		Ø 13	ERS08.1813/SW
13. SW 360° SWIVEL COUPLINGS FOR POLYURETHANE TUBE	ERS 06	Ø 8 x 12	ERS06.1908/PU/SW
TOTT GETONE TIME TOBE		Ø 9 x 13	ERS06.1909/PU/SW
		Ø 8 x 12	ERS08.1908/PU/SW
	ERS 08	Ø 9 x 13	ERS08.1909/PU/SW
		Ø 11 x 16	ERS08.1911/PU/SW
14. SW 360° SWIVEL COUPLINGS FOR POLYURETHANE TUBE	ERS 06	Ø 1/2''	ERS06.1813/CN/SW
	ERS 08	Ø 1/2''	ERS08.1813/CN/SW

Coupling plugs: see page 27.

Part-numbers

Coupling plugs common to the RSI, NSI, RCS and ERS couplings

Description			
Besonption	Model	Connection	Part-number
4 COURTING BLUCC		G 1/8	RBE06.6150
1. COUPLING PLUGS		G 1/4	RBE06.6151
WITH MALE THREAD		G 3/8	RBE06.6152
_	DDE 06		
	RBE 06	NPT 1/8	RBE06.6250
		NPT 1/4	RBE06.6251
		NPT 3/8	RBE06.6252
		M 14 x 1.25	RBE06.6414
		G 1/4	RBE08.6151
		G 3/8	RBE08.6152
	DDE 00	G 1/2	RBE08.6153
	RBE 08	NPT 1/4	RBE08.6251
		NPT 3/8	RBE08.6252
		NPT 1/2	RBE08.6253
		G 3/8	RBE11.6152
		G 1/2	RBE11.6153
	RBE 11	G 3/4	RBE11.6154
		NPT 3/8	RBE11.6252
		NPT 1/2	RBE11.6253
		NPT 3/4	RBE11.6254
2. PRE-TEFLONNED COUPLING PLUGS		R 1/8	RBE06.6160
WITH TAPERED MALE THREAD	RBE 06	R 1/4	RBE06.6161
		R 3/8	RBE06.6162
		R 1/4	RBE08.6161
	RBE 08	R 3/8	RBE08.6162
		R 1/2	RBE08.6163
A COURT INC BLUCK		G 1/8	RBE06.6100
3. COUPLING PLUGS		G 1/4	RBE06.6101
WITH FEMALE THREAD		G 3/8	RBE06.6102
		NPT 1/8	RBE06.6200
	RBE 06	NPT 1/4	RBE06.6201
		NPT 3/8	RBE06.6202
		M 14 x 1.25	RBE06.63w14
		UN 9/16-20	RBE06.6315
		G 1/4	RBE08.6101
		G 3/8	RBE08.6102
	RBE 08	G 1/2	RBE08.6103
	RBE 08	G 1/2 NPT 1/4	RBE08.6103 RBE08.6201
	RBE 08	G 1/2 NPT 1/4 NPT 3/8	RBE08.6201 RBE08.6202
	RBE 08	G 1/2 NPT 1/4	RBE08.6103 RBE08.6201
	RBE 08	G 1/2 NPT 1/4 NPT 3/8	RBE08.6201 RBE08.6202
	RBE 08	G 1/2 NPT 1/4 NPT 3/8 NPT 1/2	RBE08.6103 RBE08.6201 RBE08.6202 RBE08.6203
		G 1/2 NPT 1/4 NPT 3/8 NPT 1/2 G 3/8	RBE08.6103 RBE08.6201 RBE08.6202 RBE08.6203 RBE11.6102
	RBE 08	G 1/2 NPT 1/4 NPT 3/8 NPT 1/2 G 3/8 G 1/2	RBE08.6201 RBE08.6202 RBE08.6203 RBE11.6102 RBE11.6103
		G 1/2 NPT 1/4 NPT 3/8 NPT 1/2 G 3/8 G 1/2 G 3/4	RBE08.6201 RBE08.6202 RBE08.6203 RBE11.6102 RBE11.6103 RBE11.6104
		G 1/2 NPT 1/4 NPT 3/8 NPT 1/2 G 3/8 G 1/2 G 3/4 NPT 3/8	RBE08.6103 RBE08.6201 RBE08.6202 RBE08.6203 RBE11.6102 RBE11.6104 RBE11.6202
4 COURLING BLUGS		G 1/2 NPT 1/4 NPT 3/8 NPT 1/2 G 3/8 G 1/2 G 3/4 NPT 3/8 NPT 1/2	RBE08.6103 RBE08.6201 RBE08.6202 RBE08.6203 RBE11.6102 RBE11.6103 RBE11.6104 RBE11.6202 RBE11.6203
4. COUPLING PLUGS	RBE 11	G 1/2 NPT 1/4 NPT 3/8 NPT 1/2 G 3/8 G 1/2 G 3/4 NPT 3/8 NPT 1/2 NPT 3/4 Ø 6	RBE08.6103 RBE08.6201 RBE08.6202 RBE08.6203 RBE11.6102 RBE11.6103 RBE11.6104 RBE11.6202 RBE11.6203 RBE11.6204 RBE06.6806
4. COUPLING PLUGS FOR RUBBER HOSE		G 1/2 NPT 1/4 NPT 3/8 NPT 1/2 G 3/8 G 1/2 G 3/4 NPT 3/8 NPT 1/2 NPT 3/8 NPT 1/2 NPT 3/4 Ø 6 Ø 8	RBE08.6103 RBE08.6201 RBE08.6202 RBE08.6203 RBE11.6102 RBE11.6103 RBE11.6104 RBE11.6202 RBE11.6203 RBE11.6204 RBE06.6806 RBE06.6808
	RBE 11	G 1/2 NPT 1/4 NPT 3/8 NPT 1/2 G 3/8 G 1/2 G 3/4 NPT 3/8 NPT 1/2 NPT 3/8 NPT 1/2 NPT 3/4 Ø 6 Ø 8 Ø 10	RBE08.6103 RBE08.6201 RBE08.6202 RBE08.6203 RBE11.6102 RBE11.6103 RBE11.6104 RBE11.6202 RBE11.6203 RBE11.6204 RBE06.6806 RBE06.6808 RBE06.6810
	RBE 11	G 1/2 NPT 1/4 NPT 3/8 NPT 1/2 G 3/8 G 1/2 G 3/4 NPT 3/8 NPT 1/2 NPT 3/4 Ø 6 Ø 8 Ø 10 Ø 13	RBE08.6103 RBE08.6201 RBE08.6202 RBE08.6203 RBE11.6102 RBE11.6103 RBE11.6104 RBE11.6202 RBE11.6203 RBE11.6204 RBE06.6806 RBE06.6808 RBE06.6810 RBE06.6813
	RBE 11	G 1/2 NPT 1/4 NPT 3/8 NPT 1/2 G 3/8 G 1/2 G 3/4 NPT 3/8 NPT 1/2 NPT 3/4 Ø 6 Ø 8 Ø 10 Ø 13 Ø 6	RBE08.6103 RBE08.6201 RBE08.6202 RBE08.6203 RBE11.6102 RBE11.6103 RBE11.6104 RBE11.6202 RBE11.6203 RBE11.6204 RBE06.6806 RBE06.6808 RBE06.6810 RBE06.6813 RBE08.6806
	RBE 11	G 1/2 NPT 1/4 NPT 3/8 NPT 1/2 G 3/8 G 1/2 G 3/4 NPT 3/8 NPT 1/2 NPT 3/4 Ø 6 Ø 8 Ø 10 Ø 13 Ø 6 Ø 8	RBE08.6103 RBE08.6201 RBE08.6202 RBE08.6203 RBE11.6102 RBE11.6103 RBE11.6104 RBE11.6202 RBE11.6203 RBE11.6204 RBE06.6806 RBE06.6808 RBE06.6810 RBE06.6813 RBE08.6806 RBE08.6806 RBE08.6808
	RBE 11	G 1/2 NPT 1/4 NPT 3/8 NPT 1/2 G 3/8 G 1/2 G 3/4 NPT 3/8 NPT 1/2 NPT 3/4 Ø 6 Ø 8 Ø 10 Ø 13 Ø 6 Ø 8 Ø 10	RBE08.6103 RBE08.6201 RBE08.6202 RBE08.6203 RBE11.6102 RBE11.6103 RBE11.6104 RBE11.6202 RBE11.6203 RBE11.6204 RBE06.6806 RBE06.6808 RBE06.6810 RBE06.6813 RBE08.6806 RBE08.6808 RBE08.6808 RBE08.6808
	RBE 11	G 1/2 NPT 1/4 NPT 3/8 NPT 1/2 G 3/8 G 1/2 G 3/4 NPT 3/8 NPT 1/2 NPT 3/4 Ø 6 Ø 8 Ø 10 Ø 13 Ø 6 Ø 8 Ø 10 Ø 13	RBE08.6103 RBE08.6201 RBE08.6202 RBE08.6203 RBE11.6102 RBE11.6103 RBE11.6104 RBE11.6202 RBE11.6203 RBE11.6204 RBE06.6806 RBE06.6806 RBE06.6810 RBE06.6813 RBE08.6806 RBE08.6808 RBE08.6808 RBE08.6808 RBE08.6810 RBE08.6810
	RBE 11	G 1/2 NPT 1/4 NPT 3/8 NPT 1/2 G 3/8 G 1/2 G 3/4 NPT 3/8 NPT 1/2 NPT 3/4 Ø 6 Ø 8 Ø 10 Ø 13 Ø 6 Ø 8 Ø 10 Ø 13 Ø 6	RBE08.6103 RBE08.6201 RBE08.6202 RBE08.6203 RBE11.6102 RBE11.6103 RBE11.6104 RBE11.6202 RBE11.6203 RBE11.6204 RBE06.6806 RBE06.6806 RBE06.6810 RBE06.6813 RBE08.6806 RBE08.6808 RBE08.6808 RBE08.6810 RBE08.6813 RBE08.6813
	RBE 11	G 1/2 NPT 1/4 NPT 3/8 NPT 1/2 G 3/8 G 1/2 G 3/4 NPT 3/8 NPT 1/2 NPT 3/4 Ø 6 Ø 8 Ø 10 Ø 13 Ø 6 Ø 8 Ø 10 Ø 13 Ø 6 Ø 8	RBE08.6103 RBE08.6201 RBE08.6202 RBE08.6203 RBE11.6102 RBE11.6103 RBE11.6104 RBE11.6202 RBE11.6204 RBE06.6806 RBE06.6806 RBE06.6810 RBE06.6813 RBE08.6806 RBE08.6808 RBE08.6806 RBE08.6808 RBE08.6810 RBE08.6810 RBE08.6810 RBE08.6816 RBE08.6816 RBE08.6816
	RBE 11	G 1/2 NPT 1/4 NPT 3/8 NPT 1/2 G 3/8 G 1/2 G 3/4 NPT 3/8 NPT 1/2 NPT 3/4 Ø 6 Ø 8 Ø 10 Ø 13 Ø 6 Ø 8 Ø 10 Ø 13 Ø 6 Ø 8	RBE08.6103 RBE08.6201 RBE08.6202 RBE08.6203 RBE11.6102 RBE11.6103 RBE11.6104 RBE11.6202 RBE11.6204 RBE06.6806 RBE06.6806 RBE06.6810 RBE06.6810 RBE08.6806 RBE08.6808 RBE08.6806 RBE08.6806 RBE08.6810 RBE08.6810 RBE08.6810 RBE08.6813 RBE08.6816 RBE08.6816 RBE11.6806 RBE11.6806
	RBE 11 RBE 06 RBE 08	G 1/2 NPT 1/4 NPT 3/8 NPT 1/2 G 3/8 G 1/2 G 3/4 NPT 3/8 NPT 1/2 NPT 3/4 Ø 6 Ø 8 Ø 10 Ø 13 Ø 6 Ø 8 Ø 10 Ø 13 Ø 16 Ø 6 Ø 8	RBE08.6103 RBE08.6201 RBE08.6202 RBE08.6203 RBE11.6102 RBE11.6103 RBE11.6104 RBE11.6202 RBE11.6203 RBE11.6204 RBE06.6806 RBE06.6806 RBE06.6810 RBE06.6810 RBE08.6806 RBE08.6806 RBE08.6806 RBE08.6806 RBE08.6810 RBE08.6810 RBE08.6810 RBE08.6813 RBE08.6810 RBE08.6810 RBE08.6813 RBE08.6810 RBE08.6810 RBE08.6810 RBE08.6810 RBE08.6810 RBE08.6810 RBE08.6810 RBE08.6810 RBE08.6810
	RBE 11	G 1/2 NPT 1/4 NPT 3/8 NPT 1/2 G 3/8 G 1/2 G 3/4 NPT 3/8 NPT 1/2 NPT 3/4 Ø 6 Ø 8 Ø 10 Ø 13 Ø 6 Ø 8 Ø 10 Ø 13 Ø 16 Ø 6 Ø 8	RBE08.6103 RBE08.6201 RBE08.6202 RBE08.6203 RBE11.6102 RBE11.6103 RBE11.6104 RBE11.6202 RBE11.6203 RBE11.6204 RBE06.6806 RBE06.6806 RBE06.6810 RBE06.6810 RBE08.6806 RBE08.6808 RBE08.6806 RBE08.6808 RBE08.6810 RBE11.6806 RBE11.6806 RBE11.6806
	RBE 11 RBE 06 RBE 08	G 1/2 NPT 1/4 NPT 3/8 NPT 1/2 G 3/8 G 1/2 G 3/4 NPT 3/8 NPT 1/2 NPT 3/4 Ø 6 Ø 8 Ø 10 Ø 13 Ø 6 Ø 8 Ø 10 Ø 13 Ø 16 Ø 6 Ø 8	RBE08.6103 RBE08.6201 RBE08.6202 RBE08.6203 RBE11.6102 RBE11.6103 RBE11.6104 RBE11.6202 RBE11.6203 RBE11.6204 RBE06.6806 RBE06.6806 RBE06.6810 RBE06.6810 RBE08.6806 RBE08.6806 RBE08.6806 RBE08.6806 RBE08.6810 RBE08.6810 RBE08.6810 RBE08.6813 RBE08.6810 RBE08.6810 RBE08.6813 RBE08.6810 RBE08.6810 RBE08.6810 RBE08.6810 RBE08.6810 RBE08.6810 RBE08.6810 RBE08.6810 RBE08.6810

Coupling plugs compliant with the ISO 6150 standard, series C.

You will also find our ADS and RVS large passage compressed air couplings in the documentation for RA600 and RX010.

RBS stainless steel automatic quick release couplings



Applications

Connections for compressed air and inert gas networks in corrosive environments:

- food-processing applications
- chemical
- pharmaceutical
- nuclear power
- marine...

Resistance and durability

With its mainly stainless steel 316 serie construction, RBS is designed to resist the most severe working environments and eliminate all risk of corrosion, guaranteeing reliable performance over time.

Efficiency and simplicity of push-button technology

Automatic connection and disconnection for greater ease of use.



Proven reliability and sealing

Stäubli's connector technology guarantees reliable long life usage with minimal service

Operator safety thanks to the anti-hose whip safety function on uncoupling

As in the RCS and ERS couplings, the push-button must be pressed twice to disconnect the coupling and eliminate the risk of sudden dangerous ejection of the hose under pressure.



Impulsion 1: automatic decompression of the downstream hose, with the plug continuing to be held in the part position in the coupling.



2 Impulsion 2: no pressure in the hose, on disconnection.

Safety compliant with standard ISO 4414.

"Panel mounted" coupling version



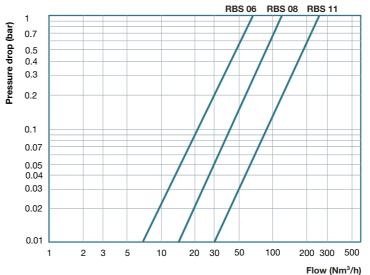
For the ideal, neat and tidy integration of your equipment.

Technical characteristics

	RBS 06	RBS 08	RBS 11
Max. working pressure (bar)	16	10	10
Full flow Ø (mm)	5.5	8	11
Flow area (mm²)	23.75	50	95
Flow at 0.3 bar pressure drop (Nm³/h)	36	77	150
External Ø of socket (mm)	26	32	38
Max. panel thickness (mm)*	6.5	12	12.5

^{*} Only applies to the "Panel feed-through" coupling version

Pneumatic flow rate / pressure drop



Test conditions:

- Direction of flow: socket → plug
- Inlet pressure: 6 bar
- * Important! Use of this seal with or in contact with mineral fluids (oil, grease, etc.) is highly discouraged.

Construction

Socket and plug: mainly stainless steel 316 series.

For more information, consult us.

- Springs : stainless steel with 18% chrome
- Plug protective dust caps:
- Stainless steel 316 serie protective dust caps or
- Chloroprene protective dust caps
- KES sealing kit: stainless steel ring

Sealing

- In standard: Nitrile seal (NBR)
- In option: Fluorocarbon seal (FPM), Ethylene-Propylene seal (EPDM)* with FDA option

Seals working temperatures

- Nitrile (NBR): 15 to + 100 °C
- Fluorocarbon (FPM): 10 to + 200 °C
- Ethylene-Propylene (EPDM) with FDA option: 20 to + 150 °C

The flow and pressure drop of all compressed air circuit components influence efficiency. Our experienced and knowledgeable sales engineers will help you to optimise your system's performance.

Coding options

To build your part-number, add to the standard part-number of the product, the type of seal (other than Nitrile and only for the socket) and the possible options, according to the example*: RBS 06.1250/IC/JV/DG

- 1. Socket standard part-number with nitrile seal. Add at the end of this part-number, codes below:
- 2. Seal selection (other one than Nitrile, only for the socket)

3. Other option (possible for both socket and plug) Fluorocarbon (FPM)

Ethylene-Propylene (EPDM) with FDA option Degreasing

/JV code /JE/FDA code /DG code

* example given here for the part-number of a coupling

For further details, refer to the RA103 product documentation.

28 Compressed air programme Compressed air programme 29

Standard couplings

Description	Model	Connection	Part-number
1. SOCKETS WITH FEMALE GAZ THREAD		G 1/8	RBS06.1100/IC
	DDG 66	G 1/4	RBS06.1101/IC
	RBS 06	G 3/8	RBS06.1102/IC
		G 1/2	RBS06.1103/IC
		G 1/4	RBS08.1101/IC
	RBS 08	G 3/8	RBS08.1102/IC
		G 1/2	RBS08.1103/IC
		G 3/8	RBS11.1102/IC
	RBS 11	G 1/2	RBS11.1103/IC
		G 3/4	RBS11.1104/IC
2. SOCKETS WITH FEMALE NPT THREAD		NPT 1/8	RBS06.1200/IC
	RBS 06	NPT 1/4	RBS06.1201/IC
	NB3 00	NPT 3/8	RBS06.1202/IC
		NPT 1/2	RBS06.1203/IC
	RBS 08	NPT 1/4	RBS08.1201/IC
		NPT 3/8	RBS08.1202/IC
		NPT 1/2	RBS08.1203/IC
		NPT 3/8	RBS11.1202/IC
	RBS 11	NPT 1/2	RBS11.1203/IC
		NPT 3/4	RBS11.1204/IC
3. SOCKETS WITH MALE GAZ THREAD		G 1/8	RBS06.1150/IC
	RBS 06	G 1/4	RBS06.1151/IC
	1100 00	G 3/8	RBS06.1152/IC
		G 1/2	RBS06.1153/IC
		G 1/4	RBS08.1151/IC
	RBS 08	G 3/8	RBS08.1152/IC
		G 1/2	RBS08.1153/IC
		G 3/8	RBS11.1152/IC
	RBS 11	G 1/2	RBS11.1153/IC
(see page 31)		G 3/4	RBS11.1154/IC

If you want to add options to your part-numbers, please refer to the bottom of page 29. Coupling plugs: see page 34.

Part-numbers (continuation and end)

Description	Model	Connection	Part-number
4. SOCKETS WITH MALE NPT THREAD		NPT 1/8	RBS06.1250/IC
		NPT 1/4	RBS06.1251/IC
	RBS 06	NPT 3/8	RBS06.1252/IC
		NPT 1/2	RBS06.1253/IC
		NPT 1/4	RBS08.1251/IC
	RBS 08	NPT 3/8	RBS08.1252/IC
		NPT 1/2	RBS08.1253/IC
		NPT 3/8	RBS11.1252/IC
	RBS 11	NPT 1/2	RBS11.1253/IC
		NPT 3/4	RBS11.1254/IC
5. SOCKETS FOR RUBBER HOSE		int. Ø 6 mm	RBS06.1806/IC
	RBS 06	int. Ø 8 mm	RBS06.1808/IC
		int. Ø 10 mm	RBS06.1810/IC
		int. Ø 13 mm	RBS06.1813/IC
		int. Ø 8 mm	RBS08.1808/IC
	RBS 08	int. Ø 10 mm	RBS08.1810/IC
	1100 00	int. Ø 13 mm	RBS08.1813/IC
		int. Ø 16 mm	RBS08.1816/IC
		int. Ø 10 mm	RBS11.1810/IC
	RBS 11	int. Ø 13 mm	RBS11.1813/IC
	nb3 11	int. Ø 16 mm	RBS11.1816/IC
		int. Ø 19 mm	RBS11.1819/IC

If you want to add options to your part-numbers, please refer to the bottom of page 29. Coupling plugs: see page 34.

Accessories (to be ordered separately)

KES sealing kits

Composed of a retaining ring and an O-Ring seal, the KES ensure a perfect resistance between the socket and your support. This type of sealing is possible on cylindrical male sockets and plugs (the part-numbers compatible with this option are identified by the symbol (in the table of part-numbers on pages 30 to 34).

Model	Part-number
G 1/8	KES01.9100/IC
G 1/4	KES01.9101/IC
G 3/8	KES01.9102/IC
G 1/2	KES01.9103/IC
G 3/4	KES01.9104/IC

For further details, refer to the RP003 product documentation. $\label{eq:constraint}$

Part-numbers	available	in	the	same	seal	selections	for	sockets	and
plugs.									

Add the code below at the end of the part-number:

Nitrile seal (in standard)n	o code
Fluorocarbon seal	V code

Ethylene-Propylene seal....../JE/FDA code with FDA option



Panel mounted socket version

Description	Model	Connection	Part-number
1. SOCKETS WITH FEMALE GAZ THREAD		G 1/8	RBS06.2100/IC
	DD0 00	G 1/4	RBS06.2101/IC
	RBS 06	G 3/8	RBS06.2102/IC
		G 1/2	RBS06.2103/IC
		G 1/4	RBS08.2101/IC
	RBS 08	G 3/8	RBS08.2102/IC
		G 1/2	RBS08.2103/IC
		G 3/8	RBS11.2102/IC
	RBS 11	G 1/2	RBS11.2103/IC
		G 3/4	RBS11.2104/IC
2. SOCKETS WITH FEMALE NPT THREAD		NPT 1/8	RBS06.2200/IC
	DDC 06	NPT 1/4	RBS06.2201/IC
	RBS 06	NPT 3/8	RBS06.2202/IC
		NPT 1/2	RBS06.2203/IC
	RBS 08	NPT 1/4	RBS08.2201/IC
		NPT 3/8	RBS08.2202/IC
		NPT 1/2	RBS08.2203/IC
		NPT 3/8	RBS11.2202/IC
	RBS 11	NPT 1/2	RBS11.2203/IC
		NPT 3/4	RBS11.2204/IC
3. SOCKETS WITH MALE GAZ THREAD	RBS 11	G 1/8	RBS06.2150/IC
	RBS 06	G 1/4	RBS06.2151/IC
an h	NB3 00	G 3/8	RBS06.2152/IC
		G 1/2	RBS06.2153/IC
		G 1/4	RBS08.2151/IC
	RBS 08	G 3/8	RBS08.2152/IC
		G 1/2	RBS08.2153/IC
		G 3/8	RBS11.2152/IC
(see page 31)	RBS 11	G 1/2	RBS11.2153/IC
(A A A A A A A A A A A A A A A A A A A		G 3/4	RBS11.2154/IC

Part-numbers (continuation and end)

Description	Model	Connection	Part-number
4. SOCKETS WITH MALE NPT THREAD	RBS 06	NPT 1/8	RBS06.2250/IC
		NPT 1/4	RBS06.2251/IC
	RBS 06	NPT 3/8	RBS06.2252/IC
		NPT 1/2	RBS06.2253/IC
		NPT 1/4	RBS08.2251/IC
	RBS 08	NPT 3/8	RBS08.2252/IC
		NPT 1/2	RBS08.2253/IC
		NPT 3/8	RBS11.2252/IC
	RBS 11	NPT 1/2	RBS11.2253/IC
		NPT 3/4	RBS11.2254/IC
5. SOCKETS FOR RUBBER HOSE		int. Ø 6 mm	RBS06.2806/IC
	RBS 06	int. Ø 8 mm	RBS06.2808/IC
		int. Ø 10 mm	RBS06.2810/IC
		int. Ø 13 mm	RBS06.2813/IC
		int. Ø 8 mm	RBS08.2808/IC
	RBS 08	int. Ø 10 mm	RBS08.2810/IC
	NB3 00	int. Ø 13 mm	RBS08.2813/IC
		int. Ø 16 mm	RBS08.2816/IC
		int. Ø 10 mm	RBS11.2810/IC
	DD0 44	int. Ø 13 mm	RBS11.2813/IC
	RBS 11	int. Ø 16 mm	RBS11.2816/IC
		int. Ø 19 mm	RBS11.2819/IC

If you want to add options to your part-numbers, please refer to the bottom of page 29. Coupling plugs: see page 34.

If you want to add options to your part-numbers, please refer to the bottom of page 29. Coupling plugs: see page 34.

Coupling plugs for RBS/IC range

Description	Model	Connection	Part-number
1. PLUGS WITH FEMALE GAZ THREAD	Model Connection	RBS06.6100/IC	
	RBS 06	G 1/4	RBS06.6101/IC
		G 3/8	RBS06.6102/IC
		G 1/4	RBS08.6101/IC
	RBS 08	G 3/8	RBS08.6102/IC
		G 1/2	RBS08.6103/IC
		G 3/8	RBS11.6102/IC
	RBS 11	G 1/2	RBS11.6103/IC
		G 3/4	RBS11.6104/IC
2. PLUGS WITH FEMALE NPT THREAD	N	NPT 1/8	RBS06.6200/IC
	RBS 06	NPT 1/4	RBS06.6201/IC
		NPT 3/8	RBS06.6202/IC
		NPT 1/4	RBS08.6201/IC
	RBS 08	NPT 3/8	RBS08.6202/IC
		NPT 1/2	RBS08.6203/IC
	RBS 11	NPT 1/2	RBS11.6203/IC
		NPT 3/4	RBS11.6204/IC
3. PLUGS WITH MALE GAZ THREAD	RBS 06 G 1/ G 3/ G 1/ RBS 08 G 3/ G 1/ G 3/ S 06 and RBS 08 RBS 11 G 1/	G 1/8	RBS06.6150/IC
		G 1/4	RBS06.6151/IC
		G 3/8	RBS06.6152/IC*
		G 1/4	RBS08.6151/IC
		G 3/8	RBS08.6152/IC*
		G 1/2	RBS08.6153/IC
(see page 31			RBS11.6152/IC
* Except for RBS 06 and RBS 08 G 3/8: not compatible)			RBS11.6153/IC
G 3/6. Hot companie)			RBS11.6154/IC
4. PLUGS WITH MALE NPT THREAD			RBS06.6250/IC
	RBS 06		RBS06.6251/IC
		NPT 1/4 NPT 3/8 NPT 1/4 NPT 3/8 NPT 1/2 NPT 1/2 NPT 3/4 G 1/8 G 1/4 G 3/8 G 1/4 G 3/8 G 1/2 G 3/8 G 1/2 G 3/8 NPT 1/4 NPT 1/8 NPT 1/4 NPT 3/8 NPT 1/4 NPT 3/8 NPT 1/4 NPT 3/8 NPT 1/2 NPT 3/4 int. Ø 6 mm int. Ø 8 mm int. Ø 10 mm int. Ø 13 mm int. Ø 8 mm int. Ø 10 mm	RBS06.6252/IC
_			RBS08.6251/IC
	RBS 08		RBS08.6252/IC
			RBS08.6253/IC
	RBS 11		RBS11.6254/IC
5. PLUGS FOR RUBBER HOSE			RBS06.6806/IC
	RBS 06		RBS06.6808/IC
			RBS06.6810/IC
			RBS06.6813/IC
			RBS08.6808/IC
or	RBS 08		RBS08.6810/IC
			RBS08.6813/IC
			RBS08.6816/IC
			RBS11.6810/IC
	RBS 11		RBS11.6813/IC
			RBS11.6816/IC
		int. Ø 19 mm	RBS11.6819/IC

Coupling plugs compliant with the ISO 6150 standard, series C.

HJP polyurethane Self-retracting connection units



Time savings and safe

Connection units are supplied fully assembled, ready to use.

Excellent plastic memory

Complete return of hose to initial position after extension.

Permanent elasticity.

Long reach

- 3 hose diametersØ 8 x 12, Ø 9 x 13, Ø 11 x 16 mm
- 4 working lengths2,000, 3,000, 6,000 and 7,500 mm

Silicone-free

3 automatic quick release coupling models



NSI: anti scratch design and anti hose whip safety (3 actions in 1 press).



RSI: anti-hose whip safety (3 actions in 1 press).



RCS: anti-hose whip safety at disconnection.

"360° swivel version" couplings



SW swivel: two angles of rotation: 360° and 90° for greater freedom of movement. (Available for the 3 models of couplings presented here).

FA swivel: 360° of freedom, performance and ease of handling without any risk of scratching.
(Only available with the NSI and RCS couplings).

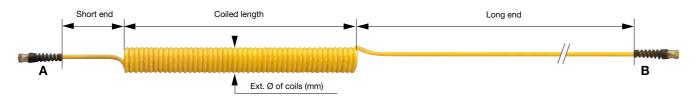
Technical characteristics

Maximum working temperatures: - 20 to + 40 °C

Maximum working pressure: 10 bar

For further details, refer to the RA900 product documentation.

Spiral-reinforced polyurethane tube



int./ext. Ø of tube (mm)	Ø 8 x 12	Ø 8 x 12			Ø 9 x 13			Ø 11 x 16	
Working length	2 000	3 000	6 000	7 500	2 000	3 000	6 000	7 500	7 500
Coiled length (mm)	150	250	500	620	260	350	550	650	570
Length of short end (mm)	150	150	150	150	150	150	150	150	150
Length of long end (mm)	1000	1000	1500	2000	1000	1000	1500	2000	2000
External Ø of coils (mm)	65	65	65	65	68	68	68	68	95
Part-number HJP	08M002	08M003	08M006	800M80	09M002	09M003	09M006	09M008	11M008

Description		HJP 08	HJP 09	HJP 11	Part-number
End A	G 3/8	1	1		AF102
Female thread	G 1/2			1	AF103
	NPT 3/8	✓	1		AF202
	NPT 1/2			1	AF203
Coupling plug	RBE 06	✓	1		RBE066
00000000	RBE 08	✓	1	✓	RBE086
# 64444 M	RBE 11	✓	1	1	RBE116
Quick release couplings	RSI 06	√	1		RSI061
	RSI 08	1	1	1	RSI081
	RSI 11			1	RSI111
	RCS 06	✓	1		RCS061
- AMME	RCS 08	1	1	1	RCS081
	RCS 11			1	RCS111
	NSI 06	1	1		NSI061
	NSI 08	1	1	1	NSI081
360° swivel		√	✓		RSI061SW
		✓	1	1	RSI081SW
90° 0360°	90° \ \ 360°			✓	RSI111SW
	S will be seen	✓	1		NSI061SW
*Plane of rotation	Plane of rotation	✓	✓	✓	NSI081SW
	THE STATE OF THE S	✓	✓		RCS061SW
RSI with SW swivel NSI with SW swivel	RCS with SW swivel	✓	1	✓	RCS081SW
NOI WILLIOW SWIVE	nos with SW swiver			✓	RCS111SW
1907	360°	✓	✓		RCS061FA
	(307)	✓	✓	1	RCS081FA
				1	RCS111FA
U	₩.	✓	✓		NSI061FA
NSI with FA swivel	RCS with FA swivel	✓	1	1	NSI081FA

How to build your part-number?

Spiral-reinforced polyurethane tube	End A			End I	В	
Tube Ø 8 x 12 mm Working length 2 000 mm	equipp	ed with an RBE plug		equip swive	oped with an RSI 06 el	socket with 360°
Your final part-number:	IP08M002	/ RBE066	/ RSIO	61SW		

ETF Closed drum automatic hose reels



Applications

Supply of compressed air to pneumatic tools and blowguns:

- near machines,
- at workstations and on assembly lines,
- in the manufacturing and maintenance departments, etc.

They prevent damage to hoses left trailing on the floor, create more working space and contribute to safety

Main reasons for choosing this product: practical/aesthetic/suitable for use in pollutant atmospheres

- Internal diameter of hose: 8 mm.
- Length of hose: 10 m.
- Hose reel sold individually or fitted with your choice of quick release coupling between: RCS or RSI.

Easy to use

- Re-reel ratchet stop click meaning safe and easy operation.
- Hose reel mounted (as standard) on pivoting support that permits wall mounting, with roller-type hose guides at the outlet to permit smooth unwinding in any direction.

Easy maintenance

Rotating joint greased without removing the hose reel.

Reliable

- High resistance to bending, pulling and twisting of the hose.
- Return spring to prevent hose breakage.



etto open drum automatic hose reels



Applications

Supply of compressed air to pneumatic tools and blowguns:

- near machines
- at workstation and on assembly lines,
- in the manufacturing and maintenance departments, etc.

They prevent damage to hoses left trailing on the floor, create more working space and contribute to safety.

Reasons for choosing the product

Very long hose length and larger hose diameter of up to 16 mm.

- Internal diameters of hose: 8, 13, 16 mm.
- Lengths of hose: 10, 20 m.
- Hose reel sold individually or fitted with your choice of quick release coupling between: RCS or RSI.

Easy to use

- Just like the ETF, the ETO possesses a re-reel ratchet stop with click action for simple, safe use
- To make it even easier to use, the ETO can also be mounted on a pivoting support (to be ordered separately) that permits wall mounting, with roller-type hose guides at the outlet to permit smooth unwinding over large working areas.

Easy maintenance

Rotating joint greased without removing the hose reel.

Reliable

- High resistance to bending, pulling and twisting of the hose.
- Return spring to prevent hose breakage.

ETO Compact open drum automatic hose reels



Applications

Supply of compressed air to pneumatic tools and blowguns in small premises.

They prevent damage to hoses left trailing on the floor, create more working space and contribute to safety.

Main reason for choosing this product: compact design

- Internal diameter of hose: 8mm
- Length of hose: 12m
- Hose reel sold individually or fitted with your choice of quick release coupling between: RCS or RSI

Easy to use

- The ETO Compact also possesses a re-reel ratchet stop with click action for simple, safe use.
- The hose reel is equipped (as standard) with a pivoting support that permits wall mounting, with roller-type hose guides at the outlet to permit smooth unwinding in any direction.

Easy maintenance

Rotating joint greased without removing the hose reel.

Reliable

- High resistance to bending, pulling and twisting of the hose.
- Return spring to prevent hose breakage.

For further details, refer to the RP250 product documentation.



ETF hose reels

- Hose reel equipped with a pivoting support and a re-reel ratchet stop with click action.
- Drum fitted on ball bearings.
- Return spring mounted on hub and housed in the drum.
- Compressed air hose:
- Maximum working pressure: 15 bar (*limited to 12 bar if the hose reel is equipped with an RCS 06 coupling).
- Max. operating temperature: 60 °C.
- To be connected to the compressed air network by means of a hose of diameter 8 mm.
- Weight: 22.5 kg with support.

Construction

- Case, drum and frame made from steel plates with an epoxy paint coating.

Compressed air hose: black rubber.

Part-numbers

	Hose int./ext. Ø (mm)	Hose length (m)	Hose reel alone	Hose reel equipped with coupling
	8/14	10	ETF08	
	8/14	10		ETF08/RSI06
Supplied with pivoting base	8/14	10		ETF08/RCS06*

^{*} Attention: pressure limited to 12 bar (see above).

Technical characteristics

ETO hose reels

- Hose reel equipped with a re-reel ratchet stop with click action.
- Drum fitted on ball bearings

Construction

Return spring mounted on hub and housed in the drum.

Case, drum and frame made from

steel plates with an epoxy paint

Compressed air hose: black rubber.

- Compressed air:
- Maximum working pressure: 15 bar (*limited to 12 bar if the hose reel is equipped with an RCS 06 coupling).
- Max. operating temperature: 60 °C.
- To be connected to the compressed air network by means of a hose of diameter 8, 13 or 16 mm.

Weight (given with support): 20.5 kg for ETO 08 - 35.3 kg for ETO 13 and 16.

Part-numbers

	Hose int./ext. Ø (mm)	Hose length (m)	Hose reel alone	Hose reel equipped with coupling
	8/14	20 ETO08		ETO08/RSI06 ETO08/RCS06*
	13/21	20	ETO13	ETO13/RSI08 ETO13/RCS08
	16/25	10	ETO16	ETO16/RSI08 ETO16/RCS08

^{*} Attention: pressure limited to 12 bar (see above).

Pivoting support (to be ordered separately)	Part-number
ETO08	SO3
ETO13	204
ETO16	S04

Compressed air programme 41 40 Compressed air programme



ETO Compact hose reels

- Hose reel equipped with a pivoting support and a re-reel ratchet stop with click action.
- Drum fitted on ball bearings.
- Return spring mounted on hub and housed in the drum.

Construction

- Case, drum and frame made from steel plates with an epoxy paint coating.
- Compressed air hose: black rubber.

- Compressed air hose:
- Maximum working pressure: 20 bar (*limited to 16 bar if the hose reel is equipped with an RSI 06 coupling) (**limited to 12 bar if the hose reel is equipped with an RCS 06 coupling).
- Max. operating temperature: 40 °C.
- To be connected to the compressed air network by means of a hose of diameter 8 mm.

Weight: 8.7 kg with support.

Part-numbers

	Hose int./ext. Ø (mm)	Hose length (m)	Hose reel alone	Hose reel equipped with coupling
	8/13	12	ETO08/C	-
	8/13	12	-	ETO08/C/RSI06*
Supplied with pivoting base	8/13	12	-	ETO08/C/RCS06**

^{*} Attention: pressure limited to 16 bar.

Pocket blowguns SPG







Applications

- Workstation cleaning
- Blow-down of machined parts and machining stands
- Removing dust and drying parts on production, assembly, inspection and tooling stations...

For all types of industry including mechanical, electrical, automotive, timber, plastics, and laboratories.

Pocket safety blowgun.

Stäubli constantly aims to improve its products and enhance operator safety. With this in mind, it has developed this pocket blowgun combining safety, compact size and flexibility for highperformance blow-down. The ideal partner for your compressed air coupling, this portable blowgun will adapt to all types of use.

Quickly transforms a quick-release coupling into a safety blowgun

- Direct connection to all 6-mm diameter Stäubli compressed air quick-release couplings for fast, easy incorporation into your installation.
- Coupling acts as blowgun handle.
- Stäubli plug fitting built into blowgun.

Anti-scratch design

For your delicate surfaces.

Portable, multi-purpose blowgun

Easy to use

Carefully designed to combine lightness and comfortable handling.

Adjustable, optimised air jet

- As of the opening of the compressed air circuit.
- For great ease of use.

Equipped with the OSHA safety nozzle with Venturi effect

- Foolproof internal mechanism complies with OSHA regulations.
 In the event of direct contact with the skin, two lateral exhaust holes instantly reduce outlet pressure.
- Ideal for large areas due to high air flow rate.
- Saves energy by using outside air.

^{**} Attention: pressure limited to 12 bar (see above).



SPG pocket blowguns

Robust and reliable

- High strength composite material withstands impacts and dropping.
- Perfect seal even with intensive use, for optimum blow-down every time.

Stäubli plug fitting built into blowgun

Designed for the entire range of 6-mm diameter Stäubli compressed air quick-release couplings.

- Max. operating temperature:
 -15 to +70 °C
- Max. working pressure: 12 bar
- Blowgun weight: 64 g
- Consumption at 6 bar: 14 Nm³/h
- Noise level: 89 dBA

Construction

- Composite blowgun
- NBR seals
- Steel fitting

Part-numbers

Description	Connection	Part-number
Safety blowgun with OHSA nozzle 89	Stäubli profile 6-mm diameter plug	SPG06.6000/OSHA

Compact blowguns SBG







Applications

- Workstation cleaning
- Blow-down of machined parts and machining stands
- Removing dust and drying parts on production, assembly, inspection and tooling stations, etc.

For all types of industry including mechanical, electrical, automotive, timber, plastics, and laboratories.

Compact safety blowgun.

Stäubli constantly aims to improve its products and enhance operator safety. With this in mind, it has developed 4 compact models combining safety, compact size and strength for high-performance blow-down. The ideal partner for quick-release couplings, these blowguns can adapt to all types of application.

Quickly transforms a quick-release coupling into a safety blowgun

- Direct connection to all 6-mm diameter Stäubli compressed air quick-release couplings for fast, easy incorporation into your installation.
- Coupling acts as blowgun handle.

Anti-scratch

For your delicate surfaces.

Practical

Blowgun can easily be hung on the parking bracket, which incorporates a break-away function, using the ring or lever.

Easy to use, robust and reliable

- High strength composite material withstands impacts and falls.
- Perfect seal even with intensive use, for optimum blow-down every time.
- Carefully designed to combine lightness and comfortable handling.

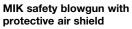
Adjustable, optimised air jet

- As of the opening of the compressed air circuit.
- Ensures great ease of use.

Stäubli plug fitting built into blowgun

Designed for the entire range of 6-mm diameter Stäubli compressed air quick-release couplings.

SBG compact blowguns





Protective air shield prevents shavings and dust from blowing back onto the operator.

SIL silent safety blowgun



Combines air jet strength and reduced noise level for operator comfort.

OSHA safety blowgun with Venturi effect



Combines air jet strength and safety.

- Foolproof internal mechanism in the event of direct contact with skin: two lateral exhaust holes instantly reduce outlet pressure.
- Saves energy by using outside air.

ZEP Zéphir conventional blowgun



Basic model for direct, concentrated blow-down.

Model	MIK	SIL	OSHA	ZEP
Consumption at 6 bar (Nm ³ /h)	25	10	13	14
Air jet strength at 6 bar (g)	131	165	260	286
Noise level (dBA)	87	74	87	85
Max. operating temperature	-15° to + 70°C			
Max. working pressure	12 bar			
Blowgun weight	70 g			

Construction

- Composite blowgun
- NBR seals
- 13% chrome stainless steel fitting

Connection Part-number

Part-numbers

Description	Connection	Part-number
MIK safety blowgun with protective air shield	Stäubli profile 6-mm Ø plug	SBG06.6000/MIK
OSHA safety blowgun with Venturi effect	Stäubli profile 6-mm Ø plug	SBG06.6000/OSHA
Bracket	87	R04190000

Description	Connection	Part-number
SIL silent safety blowgun	Stäubli profile 6-mm Ø plug	SBG06.6000/SIL
ZEP Zephir conventional blowgun	Stäubli profile 6-mm Ø plug	SBG06.6000/ZEP

Safety blowguns STA



Applications

- Workstation cleaning
- Blowing of machined parts and machining equipment
- Dust removal and drying of parts on manufacturing, assembly and inspection stations, tools...

For the engineering, power, automotive, woodworking and plastics industries, laboratories...

The air jet that combines ergonomics and strength.

Made entirely from high-strength composite materials, this is a high-performance safety blowgun.

Efficient

Perfect seal even with intensive use, for optimum blow-down.

Easy to use

 Sophisticated design combining lightness and comfortable handling.

Anti-scratch

For your delicate surfaces.

Tough, shockproof design

High strength composite material used to protect against impacts and falls.

Optimally directed air jet

Providing excellent user comfort.

Adjustable air jet

From the moment the compressed air is released.

Four blowgun models for four nozzle types

Safety blowgun with protective air shield - MIK



The protective air shield prevents chips and dust from being blown back towards the operator.

Silent safety blowgun SIL



This blowgun combines blowing force and reduced noise level for operator comfort.

OSHA safety blowgun with Venturi effect



This blowgun combines blowing force and safety. accurate blowing. Foolproof if in contact with the skin: two side exhaust holes instantly limit the output pressure.

Conventional Zéphir blowgun - ZEP



Basic model for direct,

Safety blowgun with "Contact" blowing - COT



Precision blowgun with long, bent nozzle for an accurate, powerful air jet that permits the "contact blow-down" of all hardto-reach areas.

Three air jet versions available for each model

Standard version

with maximum dynamic blowing pressure.

Versions 2S3 and 2S15

• with limited dynamic blowing pressure, equivalent to the standard model supplied at 3 bar for the 2S3 and 1.5 bar for the 2S15.

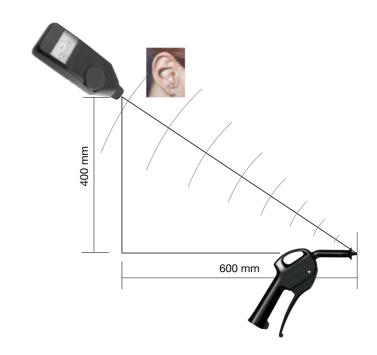
The dynamic pressure is lowered through a tamperproof system located in the blowgun body. With these models, workstations can be equipped with lowpressure blowguns supplied from a common 6-bar compressed air supply

Technical characteristics

Optimal air jet strength for reduced consumption

Model	MIK	SIL	OSHA	ZEP	COT 3	COT 5
Consumption at 6 bar (Nm³/h)	27	12	13	15	15	14,5
Air jet strength at 6 bar (g)* *Test conditions: Distance : 300 mm - Surface : 300 x 300 mm	230	210	270	310	264	244
Noise level (dBA)**	82	77	90	84	86	86

** Measure of the acoustic level



Construction

- Composite blowgun
- NBR seals
- Brass connector

Maximum operating temperatures

- 15 to + 70 °C

Max. working pressure

12 bar

Blowgun weight

- 125 g with composite nozzles
- 200 g with metal nozzles

Two types of connection

Female threads: G 1/4 F or NPT 1/4 F.

For further details, refer to the RB300 product documentation.

Compressed air programme 49 48 Compressed air programme

Blowguns alone

Description	Thread T	Standard air jet version	Air jet versi (3 bar)	on 2S3	Air jet version 2S15 (1.5 bar)
MIK safety blowgun with protective air shield	G 1/4	STA06.1101/MIK	STA06.1101	/MIK/2S3	STA06.1101/MIK/2S15
	NPT 1/4	STA06.1201/MIK	STA06.1201	/MIK/2S3	STA06.1201/MIK/2S15
Silent safety blowgun SIL	G 1/4	STA06.1101/SIL	STA06.1101	/SIL/2S3	STA06.1101/SIL/2S15
T	NPT 1/4	STA06.1201/SIL	STA06.1201	/SIL/2S3	STA06.1201/SIL/2S15
Safety blowgun with protection in the event of contact OSHA	G 1/4	STA06.1101/OSHA	STA06.1101	/OSHA/2S3	STA06.1101/OSHA/2S15
<u></u>	NPT 1/4	STA06.1201/OSHA	STA06.1201	/OSHA/2S3	STA06.1201/OSHA/2S15
Basic blowgun for direct, concentrated blow-down ZEP	G 1/4	STA06.1101/ZEP	STA06.1101	/ZEP/2S3	STA06.1101/ZEP/2S15
<u> </u>	NPT 1/4	STA06.1201/ZEP	STA06.1201	/ZEP/2S3	STA06.1201/ZEP/2S15
Description	Thread T	Version with metal nozz	zle	Version wit	h metal nozzle 00 mm

Description	Thread T	Version with metal nozzle of length 300 mm	Version with metal nozzle of length 500 mm
Safety blowgun with "Contact" blowing COT	G 1/4	STA06.1101/COT3	STA06.1101/COT5
47	NPT 1/4	STA06.1201/COT3	STA06.1201/COT5

Plugs

Description	Dimensions (mm)			Thread T	Part-number	Thread T	Part-number
	int. Ø of hose	Н	L	Till Caa T	r are mamber	Till Caa T	r art namber
Threaded plugs	6	17	35	G 1/4	AF151.06	NPT 1/4	AF251.06
Ø	8	17	35	G 1/4	AF151.08	NPT 1/4	AF251.08
4	9	17	35	G 1/4	AF151.09	NPT 1/4	
	10	17	35	G 1/4	AF151.10	NPT 1/4	AF251.10
H/plats	13	17	40	G 1/4	AF151.13	NPT 1/4	AF251.13
• Coupling plugs		14	36	G 1/4	RBE06.6151		
		17	37			NPT 1/4	RBE06.6251

Safety blowguns PML



Applications

- Workstation cleaning
- Blowing of machined parts and machining equipment
- Dust removal and drying of parts on manufacturing, assembly and inspection stations, tools...

For the engineering, power, woodworking and plastics industries...

The air jet that combines safety and strength.

Through its constant concern for operator safety, Stäubli has developed five models combining safety, low noise level and efficiency to meet the specific requirements of all applications.

Rugged and reliable

- All-steel construction, shock- and dropresistant
- Completely leak-tight, even under intensive use

These two advantages ensure the lowest operating costs.

Practical

- The long lever offers great operational flexibility: this characteristic is often sought by female personnel or for repetitive operation.
- The lever can also be used for hanging up the blowgun.

Quick-change nozzles

- Reduced storage costs
- Easy nozzle installation during set-up and changes
- The body of the standard blowgun accepts either straight or bent, nonrotating, nozzles.

Five blowgun models for five nozzle types

MIK safety blowgun with protective air shield



The protective air shield prevents chips and dust from being blown back towards the operator.

Zéphir conventional blowgun

ZEP MIK



Basic model for direct, accurate blowing.

SIL silent safety blowgun



This blowgun combines blowing force and reduced noise level for operator comfort.

Reduced pressure safety blowgun (Venturi effect) - VEN



The Venturi effect provides lowpressure blowing while providing maximum air flow and minimum consumption, using 80% outside air and only 20% compressed air.

Safety blowgun with "Contact" blowing - COT



A precise blowgun with a long, bent nozzle providing an accurate, powerful air jet for "contact blowing" in hard-to-reach areas.

Three air jet versions available for each model

Standard version

with maximum dynamic blowing pressure.

Versions 2S3 and 2S15

 with limited dynamic blowing pressure, equivalent to the standard model supplied at 3 bar for the 2S3 and 1.5 bar for the 2S15. The dynamic pressure is lowered through a tamperproof system located in the blowgun body. With these models, workstations can be equipped with low-pressure blowguns supplied from a common 6-bar compressed air supply system.

Two types of connection

 Hose tail with various diameters or male/female threads*
 (* NPT thread also available: please ask us).

Technical characteristics

Construction

- Chrome steel blowgun body
- Hardened nozzle surfaces
- S18/8 stainless steel springs
- Nitrile seal

Maximum operating temperatures

■ 15 to + 70 °C

Max. working pressure

■ 12 bar

Note: The blowgun cannot be operated if the nozzle is not attached: this feature also falls within scope of safe operating procedures.

For further details, refer to the RB100 product documentation.

Part-numbers

Complete blowguns

Description	int. Ø of hose (mm) or thread T	Standard air jet version	Air jet version 2S3 (3 bar)	Air jet version 2S15 (1.5 bar)
Safety blowguns	6	PML06.1806/MIK	PML06.1806/2S/3/MIK	PML06.1806/2S/15/MIK
with protective air shield - MIK - hose tail	8	PML06.1808/MIK	PML06.1808/2S/3/MIK	PML06.1808/2S/15/MIK
Ø,	10	PML06.1810/MIK	PML06.1810/2S/3/MIK	PML06.1810/2S/15/MIK
93	13	PML06.1813/MIK	PML06.1813/2S/3/MIK	PML06.1813/2S/15/MIK
- female thread	G 1/4	PML06.1101/MIK	PML06.1101/2S/3/MIK	PML06.1101/2S/15/MIK
Silent safety blowguns	6	PML06.1806/SIL		
SIL - hose tail	8	PML06.1808/SIL	PML06.1808/2S/3/SIL	PML06.1808/2S/15/SIL
	10	PML06.1810/SIL	PML06.1810/2S/3/SIL	PML06.1810/2S/15/SIL
98	13	PML06.1813/SIL		
- female thread ⊢ 98	G 1/4	PML06.1101/SIL	PML06.1101/2S/3/SIL	PML06.1101/2S/15/SIL
Safety blowguns with "Contact" blowing COT	6	PML06.1806/COT		
- hose tail	8	PML06.1808/COT	PML06.1808/2S/3/COT	PML06.1808/2S/15/COT
Ø	10	PML06.1810/COT	PML06.1810/2S/3/COT	PML06.1810/2S/15/COT
193	13	PML06.1813/COT		
- female thread - 193	G 1/4	PML06.1101/COT	PML06.1101/2S/3/COT	PML06.1101/2S/15/COT
Reduced pressure safety blowguns with	6	PML06.1806/VEN		
Venturi effect - VEN - hose tail	8	PML06.1808/VEN	PML06.1808/2S/3/VEN	PML06.1808/2S/15/VEN
o o o o o o o o o o o o o o o o o o o	10	PML06.1810/VEN	PML06.1810/2S/3/VEN	PML06.1810/2S/15/VEN
116	13	PML06.1813/VEN		
- female thread	G 1/4	PML06.1101/VEN	PML06.1101/2S/3/VEN	PML06.1101/2S/15/VEN
Zéphir conventional blowguns	6	PML06.1806/ZEP		
ZEP - hose tail	8	PML06.1808/ZEP	PML06.1808/2S/3/ZEP	PML06.1808/2S/15/ZEP
	10	PML06.1810/ZEP	PML06.1810/2S/3/ZEP	PML06.1810/2S/15/ZEP
93	13	PML06.1813/ZEP		
- female thread	G 1/4	PML06.1101/ZEP	PML06.1101/2S/3/ZEP	PML06.1101/2S/15/ZEP

Bodies only

Description	int. Ø of hose (mm) or thread T	Standard air jet version	Air jet version 2S3	Air jet version 2S3 2S15
Blowgun body for hose	6	PML06.1806	PML06.1806/2S/3	PML06.1806/2S/15
Ø	8	PML06.1808	PML06.1808/2S/3	PML06.1808/2S/15
56	10	PML06.1810	PML06.1810/2S/3	PML06.1810/2S/15
76,5	13	PML06.1813	PML06.1813/2S/3	PML06.1813/2S/15
Blowgun body with female thread*	G 1/8	PML06.1100	PML06.1100/2S/3	PML06.1100/2S/15
	G 1/4	PML06.1101	PML06.1101/2S/3	PML06.1101/2S/15
- 	NPT 1/4	PML06.1201	PML06.1201/2S/3	PML06.1201/2S/15
* also available with NPT thread: please consult us.	G 3/8	PML06.1102	PML06.1102/2S/3	PML06.1102/2S/15
	G 1/2	PML06.1103	PML06.1103/2S/3	PML06.1103/2S/15
Blowgun body with male thread	G 1/4	PML06.1151	PML06.1151/2S/3	PML06.1151/2S/15
	G 3/8	PML06.1152	PML06.1152/2S/3	PML06.1152/2S/15
<u>⊢</u> 49.5	G 1/2	PML06.1153	PML06.1153/2S/3	PML06.1153/2S/15

Nozzles only

Description		Part-number
MIK nozzle	68	PML06.6000/MIK
SILENT nozzle	72	PML06.6000/SIL
CONTACT nozzle	168	PML06.6000/COT
VENTURI nozzle	92	PML06.6000/VEN
ZÉPHIR nozzle	68	PML06.6000/ZEP

Description	L (mm)	Part-number
ZÉPHIR long steel blowgun nozzle	130	PML06.6015/ZEP
(blowing orifice of 2 mm)	180	PML06.6020/ZEP
	230	PML06.6025/ZEP
	280	PML06.6030/ZEP
-	380	PML06.6040/ZEP
	480	PML06.6050/ZEP
	580	PML06.6060/ZEP
	780	PML06.6080/ZEP
	980	PML06.6100/ZEP
Description	Ø of copper tube (mm)	Part-number
Long, bendable copper nozzles	2/4	PML06.6240/ZEP
323	4/6	PML06.6440/ZEP

HJP, STA and PML Blowing units



Time saving and safety

Our blowing units are supplied with high quality fittings and are ready to use.

A wide range

- 2 hose diameters:
 Ø 5 x 8 and Ø 6.5 x 10 mm, together with:
- 4 working lengths:1 500, 2 500, 3 000 and 5 000 mm.
- 2 safety blowgun models: the blowing units can be combined with the PML blowgun (shown in this brochure) and the composite STA blowgun shown in brochure B 300 (shown on pages 43 to 50).

A multi-faceted product

- Excellent plastic memory: hose returns completely to initial position after extension ensuring the workstation always remains tidy. Permanent elasticity.
- High-resistance polyurethane hose, silicone free.
- Ends protected by springs to prevent bending
- Compact and easy to operate.

Technical characteristics

Maximum operating temperatures

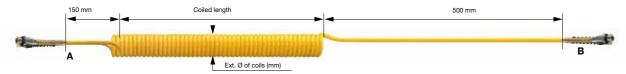
- 15 to + 40 °C at 6 bar
- 15 to + 30 °C at 10 bar

Max. working pressure

10 bar

For further details, please see the product documentation for RB100 and RB300.

Spiral-reinforced polyurethane tube



HJP spiral tubes are always equipped with G 1/4 male thread.

int./ext. Ø of tube (mm)	Ø 5 x 8		Ø 6.5 x 10			
Working length	1 500	3 000	2 500	5 000		
Coiled length (mm)	180	360	300	500		
External Ø of coils (mm)	42	42	52	52		
Spiral-reinforced polyurethane tube	HJP05M002	HJP05M003	HJP06M003	HJP06M005		

Ends A - B

Description	Male thread	RBE 06 coupling plug
	G 1/4 (with O-ring)	
End A	AF251	RBE066
End A & B	2AF251	

End B

Selection of dynamic blowing pressure	Standard	Standard with two nozzle lengths	2S3 (3 bar)	2S15 (1.5	2S15 (1.5 bar)		
Blowgun supplied from the	STA	STA06	STA2S3	STA2S15			
shared network at 6 bar	PML		PML2S3	PML2S1	PML2S15		
Selection of nozzle type	A T	8	8	8	S		
STA blowgun	MIK	Сот	SIL	OSHA	ZEP		
	/ MIK	/COT3 for 300-mm nozzle /COT5 for 300-mm nozzle	/ SIL	/ OSHA	/ ZEP		
PML blowgun	MIK	сот	SIL	VEN	ZEP		
	/ MIK	/ COT	/ SIL	/ VEN	/ ZEP		

How to create your part-number?

Spiral-reinforced polyure	thane tube		End A						End B	
Tube Ø 5 x 8 mm Working length 3 000 mm			equippe	d with an	RBE plug				equipped with a your choice	PML or STA blowgun of
Your final part-number:	HJP	05M003	/	RBE066		/	STA2S3 PML2S3 STA06/0	3/SIL		

FRL filtration, regulation and lubrication units



Applications

 Filtration, regulation and lubrication of compressed air circuits to supply every work station with compressed air of appropriate quality from a common network.

Effective, appropriate filtration

Filtration levels perfectly suited to the requirements needed for correct operation of pneumatic components.

Efficient filtration in two stages: elimination of condensates by centrifugal action and filtration of the solid particles by a 40 or 5 μ filter cartridge.

Condensate outlet in the absence of pressure by semi-automatic drains (standard). The filters can also be fitted with manual or automatic drains (to be ordered separately).

Lubrication to suit every application

The quantity of oil sprayed on contact with the diffuser can be adjusted precisely by simply turning the adjustment screw, and observing the visible indicator.

Ease of fitting

The regulators can be panel mounted alone or combined with a filter and regulator.

Dynamic and permanent regulation of the pressure setting and decompression of the downstream circuit

The design of the regulators reduces hysteresis phenomena allowing accurate and stable pressure setting even with a widely varying input pressure.

The special shape of the diaphragm also contributes to a significant improvement in its service life.

The locking adjustment knob is not affected by vibration.

Operator safety

All our filters and lubricators are fitted as standard with metal guards to protect the polycarbonate bowls from mechanical damage, or damage caused by the use of unsuitable oil, and to limit possible projection in the event of bowl breakage.

Toughness

Metal body for a better mechanical strength.

Tightness

Wide contact area between components for rigid unit mounting.

Component assembly with centring rings and O-ring seals providing a high level of sealing.

Modularity

All the components – complete filtration units, separate components and additional equipment such as stop valves or soft start valves, bypass units, etc - can easily be combined to create entirely customized installations close to the work station.

Individual components can be replaced quickly and easily without it being necessary to disassemble the entire unit installed in the conduit.



FRL filtration, regulation and lubrication units

Maximum working pressure 16 bar
\blacksquare Degree of filtration 40 or 5 μ
Min./max. ambient temperatures+ 5 to + 50 °C
Min./max. fluid temperatures 0 to + 50 °C

• Filter cartridge in Polyethylene (PE)

Membrane of the regulator and

Bowl in PolycarbonateMetallic bowl guard

seals: Nitrile (NBR)

Lubricators							
=	Min. priming pressure 0.5 bar						
	Min. priming flow: FRL 12 50 l/min FRL 15 and 25 150 l/min						
	Oil content: FRL 12						

Filters

Condensate volume:		
FRL 12	25	cm
FRL 15 and 25	85	cm

Performance data

Construction

Metallic housing

Passintian	Nominal flow rate (NI/min)					
Description	FRL12	FRL15	FRL25			
Filter + regulator + lubricator	1 500	3 400	5 000			
Filter/regulator + lubricator	1 500	3 400	5 000			
Filter/regulator	2 000	5 500	6 500			
Regulator	2 000	7 000	8 000			
Filter	1 800	3 200	3 500			
Lubrificator	3 400	4 600	7 500			
Soft start valve	1 200	3 800	4 200			
Manual 3/2-way shut-off valve	4 300	9 000	11 000			
Porting block	4 200	9 000	11 000			

Test conditions:

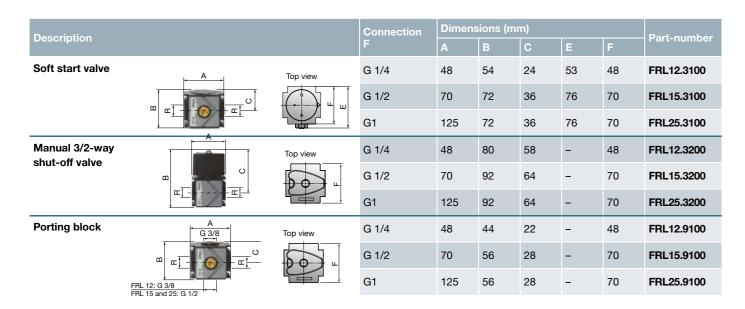
Filter + regulator + lubricator • Filter/regulator + lubricator • Filter/regulator • Regulator: inlet pressure p1: 10 bar - regulator set-point pressure p2: 6 bar - pressure drop: 1 bar (as per ISO 6953)
Filter • Lubricator • Soft start valve • Manual 3/2-way shut-off valve • Porting block: inlet pressure p1: 6 bar - pressure drop: 1 bar (as per ISO 6953)

Part-numbers

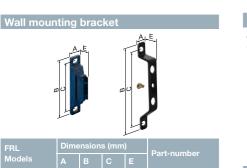
Description	Degree of	Connection	Dimens	sions (m	m)			Don't sound on
Description	filtration	F	A	В	С	Е	F	- Part-number
Filter + Regulator + Lubricator		G 1/4	144	216	68	84	48	FRL12.1110
	40 μ	G 1/2	210	286	98	106	70	FRL15.1110
		G1	265	286	98	106	70	FRL25.1110
		G 1/4	144	216	68	84	48	FRL12.1130
H1 H2 lubricators	5 μ	G 1/2	210	286	98	106	70	FRL15.1130
Min. heights below bowls (mm) for replacement of filter cartridge and filling of lubricators: FRL 12 165 185 FRL 15 and 25 210 255		G1	265	286	98	106	70	FRL25.1130
Filter + Regulator + Lubricator		G 1/4	96	215	68	84	48	FRL12.1210
	40 μ	G 1/2	145	286	98	106	70	FRL15.1210
		G1	195	286	98	106	70	FRL25.1210
		G 1/4	96	215	68	84	48	FRL12.1230
	5 μ	G 1/2	145	286	98	106	70	FRL15.1230
		G1	195	286	98	106	70	FRL25.1230
Filter/Regulator		G 1/4	48	215	68	84	48	FRL12.2110
	40 μ	G 1/2	70	286	98	106	70	FRL15.2110
		G1	125	286	98	106	70	FRL25.2110
		G 1/4	48	215	68	84	48	FRL12.2130
	5 μ	G 1/2	70	286	98	106	70	FRL15.2130
		G1	125	286	98	106	70	FRL25.2130
Filter		G 1/4	48	170	22		48	FRL12.2210
	40 μ	G 1/2	70	215	22		70	FRL15.2210
		G1	125	215	22		70	FRL25.2210
	5μ	G 1/4 G 1/2	48 70	170 215	22		48 70	FRL12.2230 FRL15.2230
₩	Jμ	G1/2	125	215	22		70	FRL25.2230
Regulator		G 1/4	48	98	68	84	48	FRL12.2300*
		NPT 1/4	48	98	68	84	48	FRL12.2350
		G 1/2	70	134	98	106	70	FRL15.2300
		G1	125	134	98	106	70	FRL25.2300*
Lubrificator		G 1/4	48	171	52		48	FRL12.2410
		G 1/2	70	224	57		70	FRL15.2410
		G 1	125	224	57		70	FRL25.2410

All the devices are supplied as standard with: • Filter and filter/regulator: semi-automatic drain and metal bowl protection • Regulator and filter/regulator: manometer 0-16 bar • Lubrificator: metal bowl protection.

^{*} Part-numbers available with the option "Set-point pressure locking": add the code /VS at the end of the part-number.



Accessories and replacement parts



19 90 75 26 **FRL12.9110**

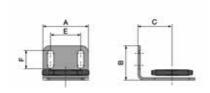
16 130 110 26 **FRL15.9110**





	*	<i>y</i>			FRL Models	Ø	Part-num
	FRL 12 part-number	FRL 15 part-number	FRL 25 part-number		12	40	FRL12.91
	FRL12.9120	FRL15.9120	FRL25.9120		15 and 25	50	FRL15.91

Wall fixing bracket for regulator



FRL	Dime	ensior	ns (mr	- Part-number		
Models	Α	В	С	E	F	Part-number
12	40	30	30	26.5	16	FRL12.9150
15 and 25	55	40	42.5	35	20	FRL15.9150







FSB submicronic filters



Applications

Filtration of particles and oil aerosols to supply workstations with high quality air:

- Pneumatic automation
- Pneumatic measurement, control and regulation
- Paint booths
- Laboratory air
- Breathing air, etc.

Complete range

For increasingly pure quality air from 40 to $2800 \ m^3/h$.

Efficient filtration

The filter elements are designed to filter pollutants efficiently from the air (water, oil, particles) with very little pressure drop. We have several grades of filtration to suit your applications:

- Micronic: elimination of liquids (water and oil) and solid particles up to 1 μm for compressed air and gases.
- Submicronic: elimination of liquids (water and oil) and solid particles up to 0.01 µm for compressed air and gases.
- Activated carbon: elimination of oil vapour and aerosols.

Easy maintenance

Reduced operating costs due to the quality of the filters and the long service life of the filter elements.

Excellent corrosion resistance

 The choice of materials for both the filter housing and the filter element ensures excellent corrosion, chemical and thermal resistance and mechanical strength over time.

Rapid identification of filter elements

- Immediate identification of filtration grades by different coloured foam.
- All filter elements are identified (Stäubli + reference).

For further details, refer to the RM300 product documentation.

FSB submicronic filters

Model	Туре	Degree of filtration (µm)	Mass concentration (mg/m³)	Residual oil content (1) (mg/m³)	Pressure drop (2) (bar)	Recommended for
FSB 01	Micronic	1	1	≤ 0.1	0.03	Tools, pneumatic transport, pneumatic controls, surface treatment, compressed air motors and pre- or post-filter for absorption dryers.
FSB 02	Submicronic	0.01	0.1	≤ 0.01	0.09	Measurement and regulation system, pneumatic transport, instrumentation for analysis and pre-filter for absorption dryers.
FSB 03	Submicronic absolute	0.01	0.1	≤ 0.001	0.10	Measurement and regulation system. This filter must be preceded by an FSB 02 filter.
FSB 02	Submicronic	0.01	0.1	≤ 0.01	0.09	Breathing air applications, and also for process air, pharmaceutical industry, food
FSB 05 + FSB 04	Activated carbon	-	-	≤ 0.003	0.10	industry, packaging, healthcare installations and heat treatment.

(1) For 20 mg/m³ inlet at 1 bar abs. and 20 °C.
(2) Pressure drop of the dry filtering element on its own.

Max. working pressure16 bar
\blacksquare Degree of filtration 40 or 5 μ
Min./max. ambient temperatures + 5 to + 50 °C
Min./max. fluid temperatures 0 to + 50 °C

Lubricators

Min. priming pressure 0.5	oai
Min. priming flow:	
FRL 12 50 l/r	nin
FRL 15 and 25 150 l/r	nin
Oil content:	
EDI 10 EO 4	

FRL 15 and 25 125 cm³

Filters

Condensate volume:	
FRL 12	25 cm ³
FRL 15 and 25	85 cm ³

Leak-tightness

Nitrile seal between the bowl and top of the filter.

Max. working pressure

16 bar

Operating temperatures

from + 1 °C to + 60 °C

Construction

- Filter element consisting of a stainless steel mesh and 2 aluminium cups.
- Filter media consisting of four pleated layers for a larger exchange area:
- Two polyprylene layers external and internal surrounding two layers of borosilicate microfibre (one on top of the other) for grades FSB 01, 02 and 03,
- An additional medium consisting of 32% activated carbon for grade FSB 04.
- Aluminium filter housing with a very smooth synthetic resin external coating and a perfect finish.
- Interior of the bowls: aluminium anti-corrosion treated.

Correction factor (f) of the nominal flow rate of filters according to the working pressure

based on a constant flow velocity and a temperature of 20°C.

 $= 276 \text{ m}^3/\text{h}$

Pressure (bar)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
f =	0.25	0.38	0.50	0.63	0.75	0.88	1	1.13	1.25	1.38	1.50	1.63	1.75	1.88	2	2.13

How to calculate the nominal flow rate of a filter at a given pressure

Example:

Min. pressure: $10 \text{ bar} \rightarrow f = 1.38$

Filter model FSB01.0020

 \rightarrow nominal flow rate at 7 bar = 200 m³/h Nominal flow rate at 10 bar = 200 x 1.38 How to determine which model of filter is suitable for your application

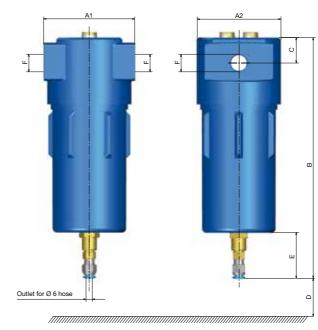
Example:

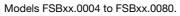
Working pressure: 10 bar \rightarrow f = 1.38 Required flow rate: 1300 m³/h Filter size = flow rate/f = 1300/1.38

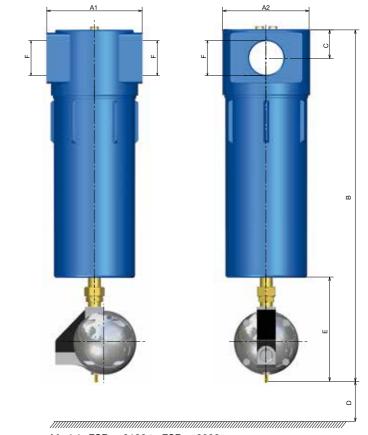
 $= 942 \text{ m}^3/\text{h}$ Filter model FSB01.0100

Part-numbers

Series FSB01 - FSB02 - FSB03







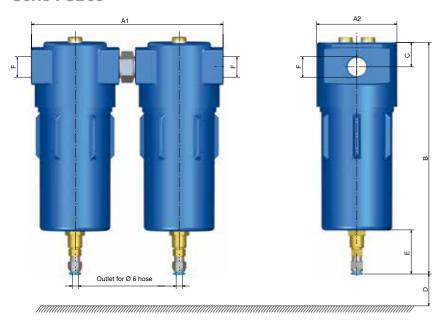
Models FSBxx.0100 to FSBxx.0280

All filters are fitted with an automatic float drain valve as standard.

Flow rate*	Connection	Dime	Dimensions (mm)					Weight	Part-numbers for complete filters			
(Nm³/h)	F	A1	A2	В	С	D	E	(kg)	Serie FSB01	Serie FSB02	Serie FSB03	
40	G 1/4	86	79	196	24	100	45	0.8	FSB01.0004	FSB02.0004	FSB03.0004	
60	G 3/8	86	79	227	24	100	45	1.5	FSB01.0006	FSB02.0006	FSB03.0006	
80	G 1/2	86	79	227	24	100	45	1.5	FSB01.0008	FSB02.0008	FSB03.0008	
120	G 3/4	86	79	295	24	170	45	1.7	FSB01.0012	FSB02.0012	FSB03.0012	
200	G 1	129	122	324	42	140	45	4.3	FSB01.0020	FSB02.0020	FSB03.0020	
340	G 1 1/2	129	122	420	42	250	45	5	FSB01.0034	FSB02.0034	FSB03.0034	
510	G 1 1/2	129	122	520	42	340	45	5.5	FSB01.0051	FSB02.0051	FSB03.0051	
800	G 1 1/2	129	122	735	42	500	45	6.9	FSB01.0080	FSB02.0080	FSB03.0080	
1 000	G 2	160	145	865	48	820	175	9.6	FSB01.0100	FSB02.0100	FSB03.0100	
1 500	G 2 1/2	161	144	1 105	56	1200	175	17.9	FSB01.0150	FSB02.0150	FSB03.0150	
2250	G 3	250	210	1 161	73	1 200	175	28	FSB01.0220	FSB02.0220	FSB03.0220	
2800	G 3	250	210	1 421	74	1 500	175	29.2	FSB01.0280	FSB02.0280	FSB03.0280	

^{*} Flow rate at 7 bar and 20 °C

Serie FSB05



All filters are fitted with an automatic float drain as standard.

Flow rate*	Connection	Dimens	ions (mm))				Weight	Part-numbers for complete filters
(Nm³/h)	F	A1	A2	В	С	D	E	(kg)	Serie FSB05
40	G 1/4	180	79	196	24	100	45	1.6	FSB05.0004
60	G 3/8	182	79	227	24	100	45	3	FSB05.0006
80	G 1/2	194	79	227	24	100	45	3	FSB05.0008
120	G 3/4	197	79	295	24	170	45	3.6	FSB05.0012
200	G 1	289	122	324	42	140	45	9	FSB05.0020
340	G 1 1/2	303	122	420	42	250	45	11	FSB05.0034
510	G 1 1/2	303	122	520	42	340	45	12	FSB05.0051
800	G 1 1/2	303	122	735	42	500	45	14.8	FSB05.0080

^{*} Flow rate at 7 bar and 20 °C

Replacement filter elements

neplacement interelements											
Serie FSB01		Serie FSB02		Serie FSB03		Serie FSB05					
	Part-numbers		Part-numbers		Part-numbers		Part-numbers	for filter elements			
Madal	for filter	Madal	for filter	Madal	for filter	Model	1 st stage	2 nd stage			
Model	elements	Model	elements	Model	elements	Model	_	Netted			
FSB01.0004	FSB01.8004	FSB02.0004	FSB02.8004	FSB03.0004	FSB03.8004	FSB05.0004	FSB02.8004	FSB04.8004			
FSB01.0006	FSB01.8006	FSB02.0006	FSB02.8006	FSB03.0006	FSB03.8006	FSB05.0006	FSB02.8006	FSB04.8006			
FSB01.0008	FSB01.8008	FSB02.0008	FSB02.8008	FSB03.0008	FSB03.8008	FSB05.0008	FSB02.8008	FSB04.8008			
FSB01.0012	FSB01.8012	FSB02.0012	FSB02.8012	FSB03.0012	FSB03.8012	FSB05.0012	FSB02.8012	FSB04.8012			
FSB01.0020	FSB01.8020	FSB02.0020	FSB02.8020	FSB03.0020	FSB03.8020	FSB05.0020	FSB02.8020	FSB04.8020			
FSB01.0034	FSB01.8034	FSB02.0034	FSB02.8034	FSB03.0034	FSB03.8034	FSB05.0034	FSB02.8034	FSB04.8034			
FSB01.0051	FSB01.8051	FSB02.0051	FSB02.8051	FSB03.0051	FSB03.8051	FSB05.0051	FSB02.8051	FSB04.8051			
FSB01.0080	FSB01.8080	FSB02.0080	FSB02.8080	FSB03.0080	FSB03.8080	FSB05.0080	FSB02.8080	FSB04.8080			
FSB01.0100	FSB01.8100	FSB02.0100	FSB02.8100	FSB03.0100	FSB03.8100						
FSB01.0150	FSB01.8150	FSB02.0150	FSB02.8150	FSB03.0150	FSB03.8150						
FSB01.0220	FSB01.8220	FSB02.0220	FSB02.8220	FSB03.0220	FSB03.8220						
FSB01.0280	FSB01.8280	FSB02.0280	FSB02.8280	FSB03.0280	FSB03.8280						

Accessories

Clogging indicators



with visual indicator Part-number: **FSB01.9002**



with manometer

Part-number: FSB01.9000



with electrical contact: feedback

of information

Part-number: FSB01.9001

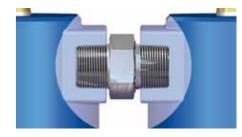
Wall mounting brackets



Wall mounting kit comprising 1 wall bracket, 2 fixing screws, 2 nuts, 2 washers and 2 anchors.

Filter models	Bracket	Dimensions (mm)					
-liter models	part-number	A	В				
FSBxx.0004 to FSBxx.0012	FSB01.9008	0.25	0.25				
FSBxx.0020 to FSBxx.0080	FSB01.9009	143	156				

Assembly kit



Connection	Part-number
G 1/4	FSB01.9011
G 3/8	FSB01.9012
G 1/2	FSB01.9013
G 3/4	FSB01.9014
G 1	FSB01.9015
G 1 1/2	FSB01.9017

Material:

- G 1/4 to G 1: nickel-plated brass

- G 1 1/2: stainless steel

Replacement float drains

Automatic float drain valves for filters FSB 01, 02 and 03.



* Drain can be used at end-of-line on compressed air network.



Connection accessories



Wide range

Stäubli offers a wide range of connection accessories to cover all industrial connection requirements – from the network supply point right through to the workstation.

We have selected the accessories that are most suitable for your compressed air lines for you.

A choice of two materials

- Nickel-plated brass
- Treated steel

Reliability

- Consistant manufacturing and accurate machining for a constant quality,
- High performance material selection with high mechanical characteristics,
- Excellent resistance to pressure and temperature, for long life and reliable assemblies.

Safety

- Reliable and quick tightness with the Stäubli sealing-kit easy to install without sealing compound.
- Easy repair of the damaged flexible hoses with the Stäubli connecting nipples for fl exible hoses and 2 Stäubli ear or worm drive clamps.

Part-numbers

Equal nipples - Male tapered GAZ x male tapered GAZ

Description		Connection	Connection		Dimensio	· Part-number			
		F1	F 2	(bar)	Α	В	С	Н	- Part-number
Nickel-plated bra	ss	R 1/8	R 1/8	150	19.5	7.5	7.5	12	MAM160.160/LN
Minu	Hexagon socket H	R 1/4	R 1/4	100	27	11	11	14	MAM161.161/LN
CHANGE CHANGE		R 3/8	R 3/8	75	28	11.5	11.5	17	MAM162.162/LN
		R 1/2	R 1/2	50	33.5	14	14	22	MAM163.163/LN
	B C	R 3/4	R 3/4	50	40	16.5	16.5	27	MAM164.164/LN
	[R 1	R 1	50	45.5	19	19	34	MAM165.165/LN

Nipples - Male tapered GAZ x male tapered GAZ

Description	Connect	Connection		Dimension	ons (mm)	- Part-number			
Description	F 1	F 2	(bar)	A	В	С	Н	Fait-Hullibel	
Nickel-plated brass	R 1/4	R 1/8	100	23.5	11	7.5	14	MAM161.160/LN	
Hexagon socket H	R 3/8	R 1/8	75	24	11.5	7.5	17	MAM162.160/LN	
	R 3/8	R 1/4	75	27.5	11.5	11	17	MAM162.161/LN	
	R 1/2	R 1/8	50	27	14	7.5	22	MAM163.160/LN	
- B - C -	R 1/2	R 1/4	50	30.5	14	11	22	MAM163.161/LN	
	R 1/2	R 3/8	50	31	14	11.5	22	MAM163.162/LN	
	R 3/4	R 1/2	50	37.5	16.5	14	27	MAM164.163/LN	
	R1	R 3/4	50	43	19	16.5	34	MAM165.164/LN	

Reducers - Male tapered GAZ x female cylindrical GAZ

Description	Connection		M.W.P. Dimensions (mm)				· Part-number
Description	F 1	F 2	(bar)	Α	В	Н	Part-Humber
Nickel-plated brass	R 1/8	G 1/8	150	20	7.5	14	RMF160.100 /LN
Hexagon socket H	R 1/8	G 1/4	100	22	7.5	17	RMF160.101/LN
	R 1/8	G 3/8	75	23	7.5	22	RMF160.102 /LN
	R 1/4	G 1/4	100	26	11	17	RMF161.101 /LN
	R 1/4	G 3/8	75	27	11	22	RMF161.102 /LN
	R 1/4	G 1/2	50	30	11	26	RMF161.103 /LN
	R 3/8	G 3/8	75	27.5	11.5	22	RMF162.102 /LN
	R 3/8	G 1/2	50	30.5	11.5	22	RMF162.103 /LN
	R 1/2	G 1/2	50	33	14	26	RMF163.103 /LN
	R 1/2	G 3/4	50	35	14	32	RMF163.104 /LN

Male tapered GAZ x female cylindrical GAZ - Compact construction

_					-				
Description			Connection		M.W.P.	Dimension	s (mm)		Part-number
Description			F1	F 2	(bar)	Α	В	Н	Fait-Hullibei
Nickel-plated b	rass		R 1/4	© G 1/8	100	16	11	14	RMF161.100/LN
Hexagon socket H	R 3/8	© G 1/8	75	16.5	11.5	17	RMF162.100/LN		
	R 3/8	a G 1/4	75	16.5	11.5	17	RMF162.101/LN		
SHARLE		R 1/2	© G 1/8	50	19.5	14	22	RMF163.100/LN	
	<u> </u>		R 1/2	© G 1/4	50	19.5	14	22	RMF163.101/LN
		B A	R 1/2	© G 3/8	50	19.5	14	22	RMF163.102/LN
			R 3/4	© G 3/8	50	23.5	16.5	27	RMF164.102/LN
			R 3/4	© G 1/2	50	23.5	16.5	27	RMF164.103/LN
			R 1	© G 1/2	50	26.5	19	34	RMF165.103/LN
			R 1	G G 1/2	50	26.5	19	34	RMF165.104/LN

Male cylindrical GAZ x male cylindrical GAZ

Description	Connection		M.W.P.	Dimensions (mm)			- Part-number
Description	F1	F 2	(bar)	A	В	Н	Part-Humber
Nickel-plated brass Hexagon socket H	G 1/4	G 1/4	100	29	11	17	RMF151.101
	G 3/8	© G 3/8	75	33	12	22	RMF152.102
	⊚ G 1/2	© G 1/2	50	46	14	32	RMF153.103
Nickel-plated copper / compact construction	G 3/8	© G 1/8	75	14	8.5	19	RMF152.100
	G 3/8	© G 1/4	75	14	8.5	19	RMF152.101

Equal sleeves - female cylindrical GAZ x female cylindrical GAZ

Description	Connection	Connection		Dimensions (mm)		- Part-number	
Description	F 1	F 2	(bar)	A	В	Part-Hulliber	
Nickel-plated brass	G 1/8	G 1/8	150	15	14	MAN100.100/LN	
	G 1/4	G 1/4	100	22	17	MAN101.101/LN	
	G 3/8	G 3/8	75	24	22	MAN102.102/LN	
	G 1/2	G 1/2	50	30	26	MAN103.103/LN	
Hexagon socket H	G 3/4	G 3/4	50	32	32	MAN104.104/LN	

Sleeves - female cylindrical GAZ x female cylindrical GAZ

Description	Description			M.W.P. Dimensions (mm)	Part-number
Description		F 1	F 2	(bar)	A	В	Part-number
Nickel-plated bras	s	G 1/4	G 1/8	100	19	17	MAN101.100/LN
		G 3/8	G 1/8	75	20	22	MAN102.100/LN
Ξ Ε	G 3/8	G 1/4	75	23	22	MAN102.101/LN	
	Hexagon socket H	G 1/2	G 1/8	50	24	24	MAN103.100/LN
	Hexagon socket II	G 1/2	G 1/4	50	25	24	MAN103.101/LN
		G 1/2	G 3/8	50	27.5	24	MAN103.102/LN
		G 3/4	G 1/2	50	30	30	MAN104.103/LN
		G1	G 3/4	50	41	40	MAN105.104/LN

Part-numbers

Y-type manifold units - female cylindrical GAZ

Description	Connection	M.W.P.	Dimensio	- Part-number			
Description	F 1	(bar)	A	ØD	L	Н	Part-Humber
Nickel-plated brass	G 1/8	150	33	14	15	14	DIS100/2Y/LN
	G 1/4	100	37	17	18	17	DIS101/2Y/LN
	G 3/8	75	46	22	22	22	DIS102/2Y/LN
<u> </u>	G 1/2	50	58	26	29	26	DIS103/2Y/LN

T-type manifold units - female cylindrical GAZ

Description	Connection	nection M.W.P.		Dimensions (mm)				
Description	F 1	(bar)	Α	Ø D	L	Н	Part-number	
Nickel-plated brass	G 1/8	150	39	19.5	13	12	DIS100/2T/LN	
H (2/flats)	G 1/4	100	49	24.5	16.5	13	DIS101/2T/LN	
	G 3/8	75	54	27	21	16	DIS102/2T/LN	
- F1 - O0 A	G 1/2	50	64	32	25	20	DIS103/2T/LN	
	G 3/4	50	73	36.5	32	27	DIS104/2T/LN	
	G 1	50	90	45	39.5	30	DIS105/2T/LN	



Threaded plugs for hose - Single-groove threaded-plugs

	g g		1 3				
Description	Connecti	on	Dimension	ns (mm)			- Part-number
Description	F 1	int. Ø of hose (mm)	A	В	С	Н	T at t-Humber
Zinc-plated steel	G 1/8	4	43	28	8	14	AF150.04
	G 1/8	6	43	28	8	14	AF150.06
Manie	G 1/8	8	43	28	8	14	AF150.08
	G 1/8	10	43	28	8	14	AF150.10
	G 1/4	6	46	28	11	17	AF151.06
	G 1/4	8	46	28	11	17	AF151.08
	G 1/4	9	46	28	11	17	AF151.09
Hexagon socket H	G 1/4	10	46	28	11	17	AF151.10
	G 1/4	13	51	33	11	17	AF151.13
	G 3/8	8	47	28	12	19	AF152.08
	G 3/8	10	47	28	12	19	AF152.10
B	G 3/8	13	52	33	12	19	AF152.13
→ A	G 3/8	16	52	33	12	23	AF152.16
Ø = internal diameter of hose	G 1/2	13	54	33	14	23	AF153.13
	G 1/2	16	54	33	14	23	AF153.16
	G 3/4	16	58	33	16	29	AF154.16
Zinc-plated steel	⊚ G 1/4	8	41	23	11	17	AF151.08/LN
	@ G 1/4	10	41	23	11	17	AF151.10/LN
	G 1/4	12	46	28	11	17	AF151.12/LN
	G 3/8	10	47	28	12	19	AF152.10/LN*
	G 3/8	12	47	28	12	19	AF152.12/LN
	€ G 1/2	12	50	28	14	27	AF153.12/LN
	@ G 1/2	16	50	28	14	27	AF153.16/LN

^{*} Integrated nitrile seal

Part-numbers

Threaded plugs for hose - Double-groove threaded-plugs

Description	Connection	on	Dimensions (mm)				Doub woudhou
Description	F 1	int. Ø of hose (mm)	Α	В	С	Н	Part-number
Zinc-plated steel	G 1/8	8	61	46	8	14	AF150.08/G2
	G 1/8	10	61	46	8	14	AF150.10/G2
	G 1/4	6	64	46	11	17	AF151.06/G2
	G 1/4	8	64	46	11	17	AF151.08/G2
	© G 1/4	10	64	46	11	17	AF151.10/G2
	G 1/4	13	71	53	11	17	AF151.13/G2
Hexagon socket H	G 3/8	13	72	53	12	19	AF152.13/G2
	G 3/8	16	72	53	12	23	AF152.16/G2
	G 3/8	19	72	53	12	23	AF152.19/G2
	G 1/2	13	74	53	14	23	AF153.13/G2
т В	G 1/2	16	74	53	14	23	AF153.16/G2
A	G 1/2	19	74	53	14	23	AF153.19/G2
\emptyset = internal diameter of hose	G 3/4	19	78	53	16	29	AF154.19/G2
	G 3/4	25	80	53	16	35	AF154.25/G2
	G 1	19	84	53	20	35	AF155.19/G2
	G 1	25	84	53	20	35	AF155.25/G2

Band clamps

CL ear clamps



Two materials depending on the model

- Special corrosion-proofed non-brittle steel
- AISI 304 L stainless steel

Special non-brittle steel

ext. Ø ext. flexible h	Part-number		
Min.	Max.	Part-number	
5	7	CL1007	
7	9	CL1009	
9	11	CL1011	
11	13	CL1013	
13	15	CL1015	
14	17	CL1017	
15	18	CL1018	
17	20	CL1020	
19	21	CL1021	
20	23	CL1023	
22	25	CL1025	
23	27	CL1027	
25	28	CL1028	
27	31	CL1031	
31	34	CL1034	
34	37	CL1037	
37	40	CL1040	
40	43	CL1043	
43	46	CL1046	

Inox AISI 304 L

ext. Ø ext. flexi	ext. Ø ext. flexible hose (mm)						
Min.	Max.	Part-number					
3	5	CL1005/IB					
5	7	CL1007/IB					
7	9	CL1009/IB					
9	11	CL1011/IB					
11	13	CL1013/IB					
13	15	CL1015/IB					
14	17	CL1017/IB					
15	18	CL1018/IB					
17	20	CL1020/IB					
19	21	CL1021/IB					
22	23	CL1023/IB					
23	25	CL1025/IB					
25	28	CL1028/IB					
27	31	CL1031/IB					
31	34	CL1034/IB					
34	37	CL1037/IB					
37	40	CL1040/IB					
40	43	CL1043/IB					
43	46	CL1046/IB					

To choose the Stäubli clamps, determine the external diameter of your flexible hoses.



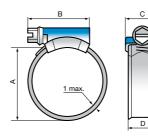


Description	Part-number
With normal jaws: for tightening at front	TEN1098
With two additional lateral jaws: for tightening at front or side	TEN1099

ABA screw-type clamps

- High tightening force, recommended for PVC hoses
- Drop-forged, zinc-plated, chromium steel band
- Zinc-plated, chromium steel screw
- Steel body with oven-hardened blue paint as a protective coating





Dimensio	ns (mm)		Recommended	Part-			
Max. int. Ø	Min. int. Ø	A (Min. int. Ø on delivery)	В	С	D	tightening torque (N.m)	number
16.5	8	15	19.5	13	9	3.0 - 4.0	ABA8-14
19.5	11	18	19.5	13	9	3.0 - 4.0	ABA11-17
22.5	13	21	21.5	16	9	3.0 - 4.0	ABA13-20
27	15	25	21.5	16	12.2	4.0 - 5.0	ABA15-24
31	19	29	23.5	16	12.2	4.0 - 5.0	ABA19-28
35.5	22	33	23.5	16	12.2	4.0 - 5.0	ABA22-32
41.5	26	39	25.5	16	12.2	4,0 - 5.0	ABA26-38
48	32	45	29.5	16	12.2	4.5 - 5.5	ABA32-44
54	38	51	29.5	16	12.2	4.5 - 5.5	ABA38-50
60	44	57	29.5	16	12.2	4.5 - 5.5	ABA44-56
69	50	66	32.5	16	12.2	4.5 - 5.5	ABA50-65
79	58	76	32.5	16	12.2	4.5 - 5.5	ABA58-75
89	68	86	32.5	16	12.2	4.5 - 5.5	ABA68-85
99	77	96	32.5	16	12.2	4.5 - 5.5	ABA77-95
116	87	113	32.5	16	12.2	4.5 - 5.5	ABA87-112
142	104	139	32.5	16	12.2	4.5 - 5.5	ABA104-138
169	130	166	32.5	16	12.2	4.5 - 5.5	ABA130-165
184	150	181	32.5	16	12.2	4.5 - 5.5	ABA150-180

To choose the Stäubli clamps, determine the external diameter of your flexible hoses.

Flexible screwdrivers





Part-number ABA3000

For further details, refer to the RP001 product documentation.

In this documentation, you will also find all our accessories available in stainless steel.

KES sealing kits



KES sealing kits can only be used on cylindrical GAZ threads (G threads) as illustrated opposite. The KES-compatible accessories, sockets and plugs are identified by the logo in front of the parts numbers in our product documentation.

Comprising of a retaining ring and an O-ring seal, the sealing-kits ensure:

- A reliable sealing between the socket or plug thread and the customer interface
- Excellent pressure resistance
- Easy to use: quick assembly without sealing compound.

Moreover, they are dismountable and reusable.



Technical characteristics

Retaining ring available in 4 materials, according to applications

- Steel with anti-corrosion protection (as standard no code)
- AISI 316 L stainless steel (/IC code)
- High-strength stainless steel (/IB code)
- Anodized aluminum (/L code) Max. temperature 150 °C

Seals available in different materials, according to applications:

- Nitrile (NBR as standard no code)
- Fluorocarbon (FPM)
- Ethylene-Propylene* (EPDM code /JE)
- Fluorosilicone (FMQ code /JS3)
 Max. working pressure: 50 bar
- Perfluoroelastomer (FFKM code /JK)

Operating temperatures for seals

Operating temperatures (°C)
- 15 to + 100
- 10 to + 200
- 20 to + 150
- 40 to + 175
0 to + 250

* Important! Use of this seal with or in contact with mineral fluids (oil, grease, etc.) is not advisable.

How to create your Part-number?

To build your part-number, add to the standard part-number the material option and the seal type codes. Example:

	Standard KES Construction: corrosion-proofed steel Seal: Nitrile (NBR)	KES 01.9100	/IC /J
	AISI 316 L stainless stee	code /IC	;
Material series	High-strength stainless s	steel code /IB	
	Anodised aluminium	code /L	
	Fluorocarbon (FPM)		code /JV
Cool turnos	Ethylene-Propylene* (EP	DM)	code /JE
Seal types	Fluorosilicone (FMQ)		code /JS3
	Perfluoroelastomer (FFK	M)	code /JK

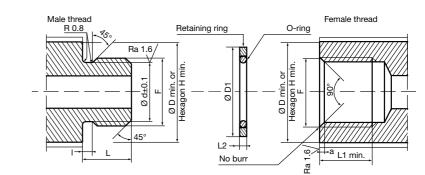
Part-numbers

Connection F	Max. working pressu	Part-number			
Connection F	Standard	L**	IB	IC	Fait-Hullibei
G 1/8		200	700		KES01.9100
G 1/4		200		350	KES01.9101
G 3/8	250		600		KES01.9102
G 1/2		150		200	KES01.9103
G 3/4			550	150	KES01.9104
G 1	200	100	330	150	KES 01.9105
G 1 - 1/4	150		400	125	KES01.9106
G 1 - 1/2	100	50	350	100	KES01.9107
G 2			300	100	KES01.9108

Installation dimensions for KES sealing kits

To ensure perfect leak-tightness, the KES kits must be assembled correctly (assembly cone) and must respect the dimensions below:

Connection F	Dimensio	ensions (mm) des raccordements							Ring (ES	
Connection	Ød	1	L	L1 mini.	D mini.	H mini.	а	Ø D1	L2	
G 1/8	8.2	2	8	9	14	13	1	15	1.35	
G 1/4	11.1	2.5	11	12	18	17	1.2	19.5		
G 3/8	14.6	2.5	12	13	22	21	1.2	23.5	1.85	
G 1/2	18.3	3.5	14	15	26	25	1.5	28.5	1.00	
G 3/4	23.8	3.3	16	17	32	30	1.5	34.5		
G 1	29.9		20	21	40	39		43.5		
G 1 - 1/4	38.6	4.5	4.5 21	22	49	47	2	53.5	2.55	
G 1 - 1/2	44.5	4.3		22	55	53		57.5	2.00	
G 2	56.3		26	27	68	65	70			





Flexible hoses



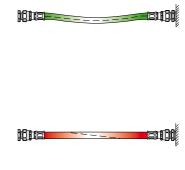
Stäubli has selected the most suitable flexible hoses for your applications for you.

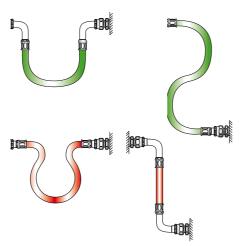
Advice on assembly

The service life of flexible hoses depends frequently on the way in which they are installed. If the following points are always adhered to, the hoses may be used in an optimal way to give a longer service life:

- Each hose must be installed in a way which avoids any stresses or strains: establish required hose lengths and adhere to recommended bend radius so as to avoid bends, flattening or fluid restrictions.
- The installation of the hoses must always work in such a way that all movements are within the same axis (hose axis).
- When the hose is installed straight, the hose must not be stretched; a small excess length must be. If a flexible hose
- runs close to a heat source, it must be included as length variations will occur when under load.
- If a hose is installed near a heat source, it must be separated and protected by a thermal sleeve.

Correct assembly Incorrect assembly





In order to guarantee the best working and safety conditions of the Stäubli flexible hoses, it is necessary to respect the followings:

- Operating temperature (be aware of peak temperature and heat spot).
- The maximum working pressure (be aware of eventual peak pressure).
- Fluid compatibility with the components in the flexible hose.

Equipped hoses AIRFLEX-S, AIRTANE, LORPRENE, NYLFLEX and TRESS-FLEX

Temperature and pressure data indicated for each hose are set up according to specific assembly and working condition

- as follows:
- Only Stäubli original parts (hoses, clamps, plugs, stems...)
- Room temperature : 20 °C
- Ungreased and oil free on all components

NYLFLEX

Reinforced PVC hose

- Good mechanical resistance
- Very low pressure drop
- Good flexibility at temperatures over 5 °C
- 3 colour options

Applications

Compressed air





Composition

Inner & outer PVC hose, intermediate polyester braid.

Marking: Stäubli Nylflex Ø - PS X Bar at 20°C

Characteristics of the hose without fittings

int. Ø	ext. Ø	M.W.P. at 20 °C		Max temp		Weight per metre	Colours	Part-number	
(mm)	(mm)	(bar)	pressure at 20°C (bar)	(°C)	(mm)	(kg)	Colours	25-m roll	50-m roll
4	10	15	60	- 15 to + 60	12	0.085	clear		NYLFLEX04/50
6	12	15	60	- 15 to + 60	18	0.100	clear	NYLFLEX06	NYLFLEX06/50
							clear	NYLFLEX08	NYLFLEX08/50
8	14	15	60	- 15 to + 60	27	0.125	blue	NYLFLEX08/KB	NYLFLEX08/KB/50
					re	red	NYLFLEX08/KR	NYLFLEX08/KR/50	
							clear	NYLFLEX10	NYLFLEX10/50
10	16	15	60	- 15 to + 60	37	0.145	blue	NYLFLEX10/KB	NYLFLEX10/KB/50
							red	NYLFLEX10/KR	NYLFLEX10/KR/50
							clear	NYLFLEX12	NYLFLEX12/50
12	19	15	60	- 15 to + 60	45	0.215	blue	NYLFLEX12/KB	NYLFLEX12/KB/50
							red	NYLFLEX12/KR	NYLFLEX12/KR/50
							clear	NYLFLEX13	NYLFLEX13/50
13	20	15	60	- 15 to + 60	51	0.225	blue	NYLFLEX13/KB	NYLFLEX13/KB/50
							red	NYLFLEX13/KR	NYLFLEX13/KR/50
16	26	15	60	- 15 to + 60	65	0.410	clear	NYLFLEX16	NYLFLEX16/50
							clear	NYLFLEX19	
19	27	15	60	- 15 to + 60	79	0.350	blue	NYLFLEX19/KB	
							red	NYLFLEX19/KR	
							clear	NYLFLEX25	
25	34	15	48	- 15 to + 60	110	0.505	blue	NYLFLEX25/KB	
							red	NYLFLEX25/KR	
32	42	12	36	- 15 to + 60	185	0.715	clear	NYLFLEX32	
38	48	11	34	- 15 to + 60	220	0.865	clear	NYLFLEX38	
50	64	9	27	- 15 to + 60	300	1.44	clear	NYLFLEX50	

Pressure resistance of hose with fittings

int. Ø	Stäubli ear clamp recomm	nended	Stäubli screw clamp recommended		
(mm)	Part-number	M.W.P. (bar) at 20 °C	Part-number	M.W.P. (bar) at 20 °C	
4	CL1011	15	ABA8-14	15	
6	CL1013	15	ABA8-14	15	
8	CL1015	15	ABA11-17	15	
10	CL1018	15	ABA13-20	15	
12	CL1020	15	ABA15-24	15	
13	CL1021	15	ABA15-24	15	
16	CL1027	10	ABA19-28	15	
19	CL1028	10	ABA22-32	15	
25	CL1037	10	ABA26-38	15	
32			ABA38-50	8	
38			ABA44-56	6	
50			ABA58-75	4	



AIRFLEX-S

Rubber hose

- Excellent reliability: high resistance to bending, pulling and twisting
- Meets NF EN ISO 2398 standard
- Silicone free.

Applications

- Compressed air
- Painting





Composition

- Inner hose in SBR + EPDM
- Synthetic textile intermediate braid
- Outer hose in SBR + EPDM

Marking: Stäubli Airflex-s xx - iso 2398-2006/2b/n-t 16 bar (xx = int. Ø)

Characteristics of the hose without fittings

int. Ø			Bending Weight Pradius per metre		Part-number			
(mm)	(mm)	(bar)	20°C (bar)	(°C)	(mm)		25-m roll	50-m roll
6	13	16	60	- 20 to + 65	60	0.160	AIRFLEX-S06	AIRFLEX-S06/50
8	15	16	60	- 20 to + 65	80	0.200	AIRFLEX-S08	AIRFLEX-S08/50
10	17.4	16	60	- 20 to + 65	100	0.230	AIRFLEX-S10	AIRFLEX-S10/50
13	21.6	16	60	- 20 to + 65	130	0.380	AIRFLEX-S13	AIRFLEX-S13/50
16	25.4	16	60	- 20 to + 65	160	0.440	AIRFLEX-S16	AIRFLEX-S16/50
19	30	16	60	- 20 to + 65	190	0.630	AIRFLEX-S19	AIRFLEX-S19/50
25	36.4	16	60	- 20 to + 65	250	0.790	AIRFLEX-S25	

Pressure resistance of hose with fittings

Ø int.	Stäubli ear clamp recon	nmended	Stäubli screw clamp recommended		
(mm)	Part-number	M.W.P. (bar) at 20 °C	Part-number	M.W.P. (bar) at 20 °C	
6	CL1015	16	ABA8-14	16	
8	CL1017	16	ABA11-17	16	
10	CL1018	16	ABA13-20	16	
13	CL1023	16	ABA15-24	16	
16	CL1027	15	ABA19-28	16	
19	CL1031	15	ABA22-32	16	
25	CL1040	15	ABA26-38	16	

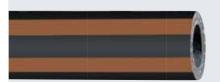
LORPRENE

Universal rubber hose

- Excellent mechanical resistance
- Flexible, even at 25 °C.
- Withstand partial vacuum
- Meets NF EN ISO 2398 and NF EN ISO 8031 standards regarding diameter and pressure
- Electrostatics conductor: R/m < 106 Ω/m</p>
- Silicone free.

Applications

Greasy environments





Composition

- Inner in Nitrile (NBR) + black smooth PVC
- Intermediate textile braid
- Outer in Nitrile (NBR) + PVC.

Marking: Stäubli Lorprene xx iso 2398-2006/2c/n-t r<10 $^{6}\Omega$ /m 16 bar (xx = int. ø)

Characteristics of the hose without fittings

int. Ø	ext. Ø	M.W.P. at 20 °C	Non-burst	Max. temp.	Bending radius	Weight	Part-number	
(mm)	(mm)	(bar)	pressure at 20°C (bar)	(°C)	(mm)	per metre (kg)	25-m roll	50-m roll
6	13	16	60	- 25 to + 80	63	0.160	LORPRENE06	LORPRENE06/50
8	15.5	16	60	- 25 to + 80	80	0.210	LORPRENE08	LORPRENE 08/50
10	17.5	16	60	- 25 to + 80	100	0.240	LORPRENE10	LORPRENE10/50
13	21	16	60	- 25 to + 80	130	0.310	LORPRENE13	LORPRENE13/50
16	25	16	60	- 25 to + 80	160	0.420	LORPRENE16	LORPRENE16/50
19	29	16	60	- 25 to + 80	190	0.530	LORPRENE19	LORPRENE19/50
25	36	16	60	- 25 to + 80	250	0.740	LORPRENE25	

Pressure resistance of hose with fittings

Ø int.	Stäubli ear clamp recom	mended	Stäubli screw clamp recommended		
(mm)	Part-number	M.W.P. (bar) at 20 °C	Part-number	M.W.P. (bar) at 20 °C	
6	CL1015	16	ABA8-14	16	
8	CL1017	16	ABA11-17	16	
10	CL1018	16	ABA13-20	16	
13	CL1023	16	ABA15-24	16	
16	CL1027	15	ABA19-28	16	
19	CL1031	15	ABA22-32	16	
25	CL1040	15	ABA26-38	16	

Pour plus de détails, se reporter à la documentation produit RN210.

Global presence of the Stäubli Group

www.staubli.com

