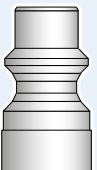
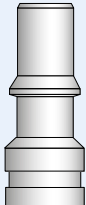
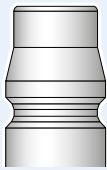


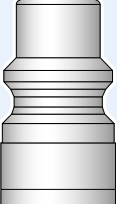
CEJN			
 <p>Series 141</p> <p>Profile: CEJN Original, 2.5 mm</p> <p>Flow rate* at 6 bar: 86 with 0,5 bar pr drop</p> <p>One hand operated: Yes</p> <p>Safety available: No</p>	 <p>Series 220</p> <p>Profile: CEJN Original, 5 mm</p> <p>Flow rate* at 6 bar: 580 with 0,5 bar pr drop</p> <p>One hand operated: Yes</p> <p>Safety available: No</p>	 <p>Series 223</p> <p>Profile: Eurostandard 5 mm</p> <p>Flow rate* at 6 bar: 535 with 0,5 bar pr drop</p> <p>One hand operated: Yes</p> <p>Safety available: No</p>	 <p>Series 320</p> <p>Profile: CEJN Original, Eurostandard 7.4 mm</p> <p>Flow rate* at 6 bar: 2250 with 0,5 bar pr drop</p> <p>One hand operated: Yes</p> <p>Safety available: Yes</p>
 <p>Series 326</p> <p>Profile: CEJN Original, 7.4 mm</p> <p>Flow rate* at 6 bar: 725 Stainless with 0,5 bar pr drop</p> <p>One hand operated: Yes</p> <p>Safety available: No</p>	 <p>Series 342</p> <p>Profile: CEJN Original, 7.4 mm Safetylock</p> <p>Flow rate* at 6 bar: 1950 with 0,5 bar pr drop</p> <p>One hand operated: Yes</p> <p>Safety available: Yes</p>	 <p>Series 410</p> <p>Profile: CEJN Original, Eurostandard 10.4 mm</p> <p>Flow rate* at 6 bar: 3900 with 0,5 bar pr drop</p> <p>One hand operated: Yes</p> <p>Safety available: Yes</p>	 <p>Series 442</p> <p>Profile: CEJN Original, 10.4 mm Safetylock</p> <p>Flow rate* at 6 bar: 3950 with 0,5 bar pr drop</p> <p>One hand operated: Yes</p> <p>Safety available: Yes</p>

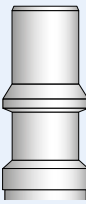
ISO B
 <p>Series 310</p> <p>Profile: ISO 6150 B, A-A 59439, 5.3 mm</p> <p>Flow rate* at 6 bar: 925 with 0,5 bar pr drop</p> <p>One hand operated: Yes</p> <p>Safety available: Yes</p>

ISO C
 <p>Series 291</p> <p>Profile: ISO 6150 C, 5.5 mm</p> <p>Flow rate* at 6 bar: 640 with 0,5 bar pr drop</p> <p>One hand operated: Yes</p> <p>Safety available: Yes</p>

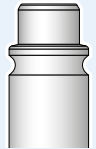
ARO
 <p>Series 300</p> <p>Profile: ARO 210 Standard, 5.5 mm</p> <p>Flow rate* at 6 bar: 1050 with 0,5 bar pr drop</p> <p>One hand operated: Yes</p> <p>Safety available: Yes</p>

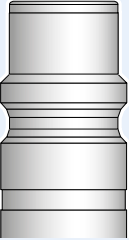
Asian
 <p>Series 315</p> <p>Profile: Asian Standard, 7.5 mm</p> <p>Flow rate* at 6 bar: 1950 with 0,5 bar pr drop</p> <p>One hand operated: Yes</p> <p>Safety available: Yes</p>

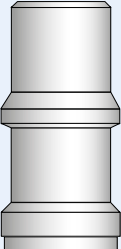
 <p>Series 430</p> <p>Profile: ISO 6150 B, A-A 59439, 8.2 mm</p> <p>Flow rate* at 6 bar: 2350 with 0,5 bar pr drop</p> <p>One hand operated: Yes</p> <p>Safety available: Yes</p>

 <p>Series 381</p> <p>Profile: ISO 6150 C, 8 mm</p> <p>Flow rate* at 6 bar: 1050 with 0,5 bar pr drop</p> <p>One hand operated: Yes</p> <p>Safety available: Yes</p>
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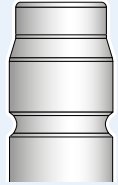
Scandinavian
 <p>Series 303</p> <p>Profile: Scandinavian standard, 6.5 mm</p> <p>Flow rate* at 6 bar: 1450 with 0,5 bar pr drop</p> <p>One hand operated: Yes</p> <p>Safety available: Yes</p>

AC
 <p>Series 331</p> <p>Profile: AC Q10, 7 mm</p> <p>Flow rate* at 6 bar: 1600 with 0,5 bar pr drop</p> <p>One hand operated: Yes</p> <p>Safety available: No</p>

 <p>Series 550</p> <p>Profile: ISO 6150 B, A-A 59439, 11 mm</p> <p>Flow rate* at 6 bar: 3750 with 0,5 bar pr drop</p> <p>One hand operated: Yes</p> <p>Safety available: Yes</p>
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 <p>Series 471</p> <p>Profile: ISO 6150 C, 11 mm</p> <p>Flow rate* at 6 bar: 2350 with 0,5 bar pr drop</p> <p>One hand operated: Yes</p> <p>Safety available: Yes</p>

 <p>Series 408</p> <p>Profile: Scandinavian standard, 9.5 mm</p> <p>Flow rate* at 6 bar: 3450 with 0,5 bar pr drop</p> <p>One hand operated: Yes</p> <p>Safety available: Yes</p>
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 <p>Series 421</p> <p>Profile: AC Q15, 10 mm</p> <p>Flow rate* at 6 bar: 3200 with 0,5 bar pr drop</p> <p>One hand operated: Yes</p> <p>Safety available: No</p>
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Facts and Figures

General Information

- Use only high-quality, clean air. The best way to ensure this is to install an FRL unit.
- When compressed air leaves the system its turbulence creates noise that can be a stress factor in work environments. Noise can cause permanent hearing loss and can also be distracting and tiring at a lower sound level. If you are looking for blowguns with a noise level below 85 decibels, have a look at CEJN's OSHA compliant blowguns marked with an ear symbol!
- When using large vibration tools such as impact wrenches or rivet hammers, use a short hose (pigtail) between the tool and the coupling. This makes the couplings last longer since they are not as affected by the vibrations in the tool.
- Choose the proper connection for the application. Oversized connections cause unnecessary wear to the product while too small connections and hoses restrict the flow and reduce efficiency.
- When working with a vacuum, choose a coupling with O-ring sealing. Remember that the coupling and/or the nipple might need to be vacuum proof in disconnected position.
- CEJN uses silicone free manufacturing (LABS frei). No silicone is added in CEJN's production to avoid compressed air contamination that can spoil the result when working with varnish, wet paint or glue.
- To increase the lifespan of a 0.01 µm filter always use a 5 µm filter in front of it.
- When using an FRL unit in a solvent charged environment make sure to use a polyamide bowl.
- The user is responsible for damage caused by use other than intended. The limits of use for each product series are specified in the catalogue and at the homepage www.CEJN.com. If you have further questions please contact your local retailer or send us an e-mail.

Maintenance Tips

Before maintenance or repair work, make sure that the product is not pressurized and is disconnected from the air/media source. Before using or cleaning the products with solvent, please check that the chemical is compatible with the materials in the product. Please visit www.cejn.com or contact CEJN for a material list.

Couplings Nipples

- Avoid front-end impacts to the coupling and nipple. Damaged nipples also cause great wear on the coupling, shortening its lifespan. Impacts on the coupling's front-end may cause a malfunction.
- Check the nipples on a regular basis. If they are heavily worn or marked, replace them. Worn nipples lead to greater wear on the couplings.
- Keep the coupling and nipple clean and free of excess moisture.

Hoses and Hose Reels

- Check hoses and hose reel housing regularly for signs of damage. Any damage or defects must be repaired immediately. Repairs must be carried out by a qualified technician only. Original spare parts must be used!

FRL units

- Drain the bowl regularly, when full or buy a semi-automatic or fully automatic filter.



Technical Data

Air flow	Measured within an accuracy of $\pm 5\%$. The unit used is NI/min and stands for normal air litre per minute at +20°C (+68°F) and 1.01325 bar (14.69595 PSI). Couplings are measured with a connection that does not restrict the flow. Series 0-299 is tested with 1/4" female thread, Series 300-399 with a 3/8" female thread, Series 400- is tested with 1/2" female thread.
Burst pressure	Measured in bar within an accuracy of +/- 3%. Safety factor according to DNV No 2.9
CE Marking	CEJN Hose Reels are CE marked.
Connection force	Measured in Newton (N) at 6 bar inlet pressure.
Sound level	Measured at a distance of 1 metre in front of and 1 metre beside a 90° angle in front of the object. The unit used is dB (A) and stands for decibel on the A scale.
Temperature range	Measured in Celsius within an accuracy of $\pm 2^\circ\text{C}$.
Vacuum	Coupling series marked for vacuum use withstand minimum 70% absolute in connected position.

Sealing Materials

The standard coupling sealing material is NBR. CEJN can produce couplings with other sealing materials of your choosing on request. Please contact your nearest retailer for an offer.

MATERIALS	FEATURES	TEMPERATURE RANGE	MEDIA
NBR (Nitrile rubber Buna-N)	CEJNs standard seal for pneumatics. Resistant to water, gasoline, grease, mineral oil, heat, and alkalis. Sensitive to ozone.	-30°C to +100°C (-22°F to +212°F)	Compressed air, oil, water
FPM (Fluorocarbon rubber Viton®)	Recommended for gasoline, oils, and acids. Weather-resistant. Not recommended for hot steam.	-15°C to +200°C (-5°F to +392°F)	Chemicals, warm air
EPDM (Ethylene Propylene rubber)	Suitable for hot water, alkaline and acids. Not recommended for mineral oil.	-40°C to +150°C (-40°F to +302°F)	Water

Contact CEJN for more detailed information regarding sealing material and chemical compatibility with CEJN couplings.

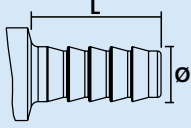
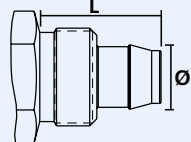
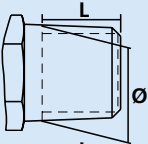
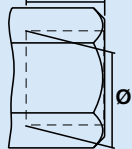
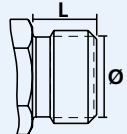
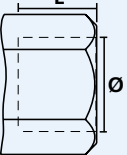
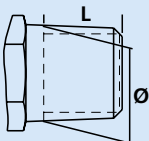
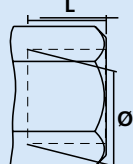


Beware of low quality products

CEJN products are recognized for their safety, high quality and long lasting durability. Low quality products cause leakage, over-production of compressed air and shorten the lifespan of system components. Make sure to look for the CEJN logo on products.



Connections and Thread Standards

		Connection	Ø (mm)	L (mm)
Hose Connection Standard hose barb for hose clamp		6.3 mm (1/4")	7.6	18.0
		8 mm (5/16")	9.6	18.0
		10 mm (3/8")	11.2	21.0
		13 mm (1/2")	14.5	21.0
		16 mm (5/8")	17.8	23.0
Stream-Line Connection Hose barb with nut cap for reusable and safe hose clamping		5 x 8 mm	7.2	15.0
		6.5 x 10 mm	9.0	17.0
		8 x 12 mm	10.9	19.0
		9.5 x 13.5 mm	12.2	21.0
		11 x 16 mm	14.2	25.0
R/Rc Thread Connection Conical Pipe Thread Connection According to ISO 7/1 (Other common descriptions are BSPT, Kr) <i>Male: ie. R 1/4"</i> <i>Female: ie. Rp 1/4" (parallel)</i> <i>ie. Rc 1/4" (taper)</i>		Male Thread		
		R 1/8"	10.2	7.4
		R 1/4"	13.6	11.0
		R 3/8"	17.2	11.0
		R 1/2"	21.7	15.0
	R 3/4"	27.1	16.3	
		Female Thread		
		Rc 1/8"	8.3	7.4
		Rc 1/4"	11.0	11.0
		Rc 3/8"	14.5	11.4
Rc 1/2"		18.0	15.0	
Rc 3/4"	23.5	16.3		
G Thread Connection Cylindrical Pipe Thread Connection According to ISO 228/1 (Other common descriptions are BSP, R) <i>Male: ie. G 1/4"</i> <i>Female (ISO 1179): ie. G 1/4"</i>		Male Thread		
		G 1/8"	9.6	8.0
		G 1/4"	13.0	10.0
		G 3/8"	16.5	10.0
		G 1/2"	20.8	12.0
	G 3/4"	26.3	12.0	
		Female Thread		
		G 1/8"	8.75	7.4
		G 1/4"	11.8	11.0
		G 3/8"	15.25	11.4
G 1/2"		19.0	15.0	
G 3/4"	24.5	16.3		
NPT Thread Connection National Pipe Thread American standard according to ANSI/ASME B 1.20.1 <i>Male and female: ie. NPT 1/4"</i>		Male Thread		
		NPT 1/8"	10.5	6.7
		NPT 1/4"	14.0	10.2
		NPT 3/8"	17.5	10.4
		NPT 1/2"	21.8	13.6
	NPT 3/4"	27.1	13.9	
		Female Thread		
		NPT 1/8"	8.5	6.9
		NPT 1/4"	11.0	10.0
		NPT 3/8"	14.5	10.3
NPT 1/2"		18.0	13.6	
NPT 3/4"	23.0	14.1		

Recommended Hose Dimension

Choose the correct hose kit for your application at:
www.cejn.com/hosekitguide

