

Maxi Series

Without Shut-Off



2272 Coupler, Straight-Through, Female BSPP Thread

	Nickel-plated brass, NBR 		C		E	F	G	K	L	kg
			19		G1	2272 18 34	9	36	42	11
Maxi series: straight-through = 8500 NI/min										

2297 Coupler, Straight-Through with Barb Connection for Hose

	Nickel-plated brass, NBR 		ØD	ØD1		G	L	L1	kg	
			19	19		20.7	2297 18 20	39.5	69	37
Maxi series: straight-through = 8500 NI/min										

2294 Coupler, Straight-Through, Male BSPP Thread

	Nickel-plated brass 		C		E	F	L	kg		
			19		G3/4	2294 18 27	10.5	27	42.5	0.071
Probe without shut-off										
19 G1 2294 18 34 13 34 46 0.102										

2295 Coupler, Straight-Through with Barb Connection for Flexible Hose

	Nickel-plated brass 		ØD	ØD1		L	L1	kg		
			19	19		21	2295 18 20	69	41	0.068
Probe without shut-off										

Metal Quick-Acting Couplers

In order to fulfill the requirements of the **widest range of industrial applications**, Parker Legris offers a range of metal couplers compatible with a large selection of fluids.

Simple to install, with or without shut-off valves, these couplers offer a **high flow rate capability**.

Product Advantages

- Easy-to-Use**
 - Coupler with sliding sleeve: automatic connection and disconnection
 - Wide variety of male probes
 - Extremely compact
 - Single or double shut-off models for greater safety
 - Special range designed for pneumatic applications: 13 Series to 27
 - Special range designed for the transmission of water and fluids: Midi and Maxi series
- Robust & Reliable**
 - 100% leak-tested in production
 - Excellent shock and impact resistance
 - Nickel-plated brass for corrosion resistance
 - Stainless steel version for restrictive environments
- Optimum Performance**
 - Very wide range of flow rates
 - "UltraFlo" technology: 18, 22, 23, 25 and 27 series
 - Low pressure drop
 - Long service life
 - Maximum energy efficiency



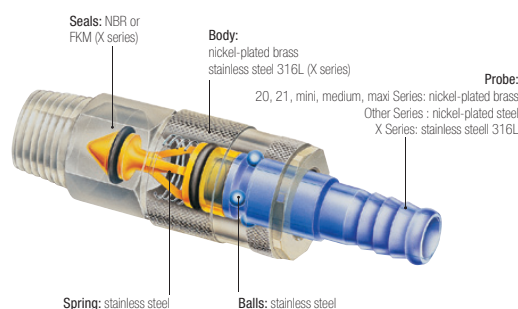
- Applications**
- Workshops
 - Flushing
 - Spraying
 - Packaging
 - Factory Automation
 - Filling Systems
 - Cleaning

Technical Characteristics

Compatible Fluids	Compressed air, water (see compatibility chart below)
Working Pressure	0 to 20 bar 0 to 35 bar (stainless steel series)
Working Temperature	-20°C to +100°C -15°C to +200°C (stainless steel series)

Guaranteed for use with a vacuum of 655 mm Hg (86% vacuum).

Component Materials

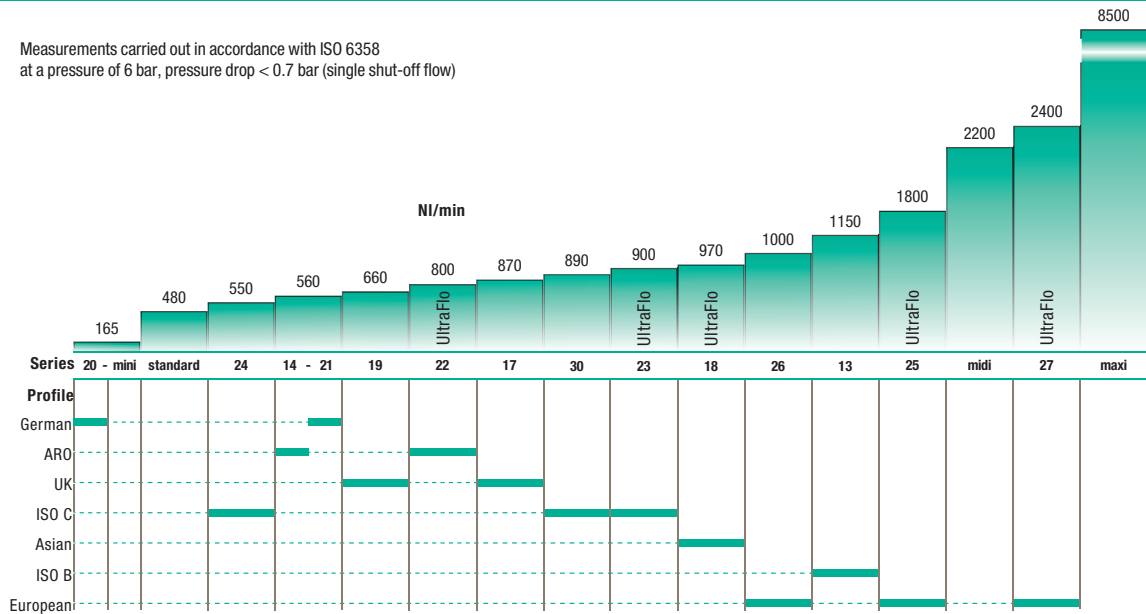


Silicone-free

Metal Quick-Acting Couplers

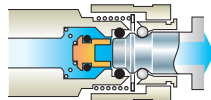
Metal Quick-Acting Coupler Technology and Flow Rates

Measurements carried out in accordance with ISO 6358
at a pressure of 6 bar, pressure drop < 0.7 bar (single shut-off flow)



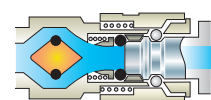
"Typical" quick-acting coupler

Standard "poppet" technology
Flow: 1000 NI/min



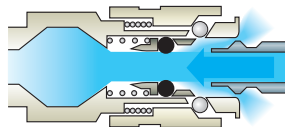
UltraFlo quick-acting coupler

"Optimal flow" technology
Flow: 1700 NI/min

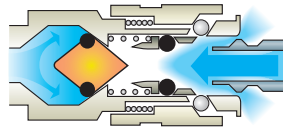
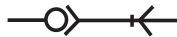


3 Shut-Off Functions

Straight-Through

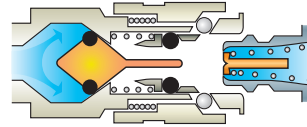


Single Shut-Off



Single shut-off coupler
+ probe without shut-off
When disconnected, the fluid path is closed upstream (body side).

Double Shut-Off

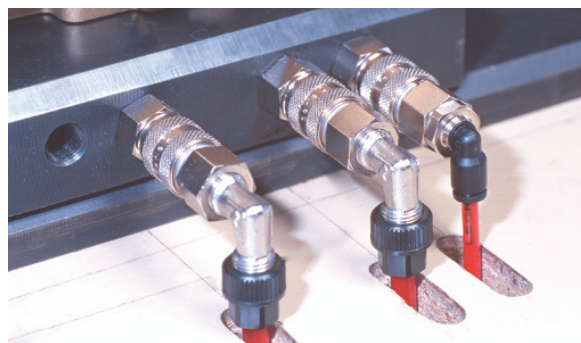


Double shut-off coupler
+ probe with shut-off
When disconnected, the fluid path is closed upstream (body side) and downstream (probe side).

Operation



Installation Options



Chemical Compatibility Chart for Metal Couplers

Below are the fluids compatible with Parker Legris metal quick-acting couplers.
This list is not exhaustive: if your fluid is not shown here, please contact us.

A

Acetamide
Ammonium chloride
Ammonium in solution
Argon
ASTM no. 1 oil
ASTM no. 2 oil
ASTM no. 3 oil

B

C

Butyl alcohol
Calcium carbonate
Castor oil
Coconut oil
Cod liver oil
Cold ammonium
Corn oil
Cotton seed oil
Cyclohexane

D

Detergents
Diesel oil
Diethylene glycol

E

Engine oil
Ethane
Ethanol
Ethyl alcohol
Ethyl silicate
Ethylene glycol

F

G

Fuel oil
Gear oil
Glycerin
Glycerol triacetate
Glycol
Groundnut oil

H

Heating oil (petroleum-based)

Helium

Heptane N

Hexane N

Hexyl alcohol

Hydraulic liquids:

H group

H-L group

H-LP group

HSA group

HSB group

HSD c (T) group in accordance with

DIN 51524 and 51525

I

Isododecane

Isooctane

L

Lard

Linseed oil

Methanol

Mineral oil

Neatsfoot oil

N

N-Heptane

N-Hexane

Nitrogen

N-Pentane

O

Octadecane

Olive oil

P

Pentane N

Petroleum

Propyl alcohol

Propylene glycol

S

Seawater

Silicone grease

Soap solution

Sodium hydroxide

Sodium sulphate

Soya bean oil

Stearyl alcohol

T

Terebenthine

Trisodium phosphate

V

Vaseline

Vaseline oil

Vegetable oil

W

Water

Wood oil

Z

Zinc chloride

The above recommendations are given in good faith. However, since each application is different, it is advisable to undertake tests in actual working conditions.

Quick-Acting Coupler Part Numbers

