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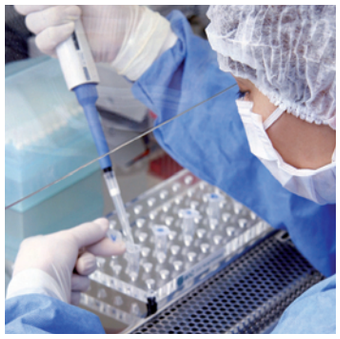



# LF 3900 / LF 3800

New range of stainless steel instant fittings 316L

Parker legris connectic

ENGINEERING YOUR SUCCESS.

# LF 3900 and LF 3800 stainless steel instant fittings

## New range of 316L stainless steel instant fittings combining robustness and hygienic design

## The largest range on the market

- Two new product ranges for demanding conditions of use :

- LF 3900 : a range of instant fittings in full 316L stainless steel, with FKM seals, for optimum resistance to aggressive environments.

- LF 3800 : a range of instant fittings in 316L stainless steel with 303 (collet) and FKM seals, for elemental chemical resistance and a competitive price positioning.

- 19 different product body shapes, diameters from 4mm, to 12 mm, threads from M5 to 1/2.
- 2 thread types: taper and parallel.

- LF 3900 and 3800 instant fittings can be used :
  - for permanent contact with foodstuffs
  - in saline environments
  - for external applications
  - for industrial cleaning with use of detergents
  - when components need to be frequently sterilized

- These fittings are designed for industries such as :
  - food process
  - medical and pharmaceutical industries
  - chemical and petrochemical industries
  - paper industry

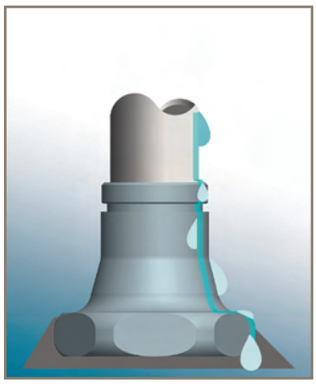
| CONDITIONS OF USE : |
| --- |
| Working pressure: maxi 30 bar |
| Working temperature: -20° to +120°C* |
| Vacuum: 99% |

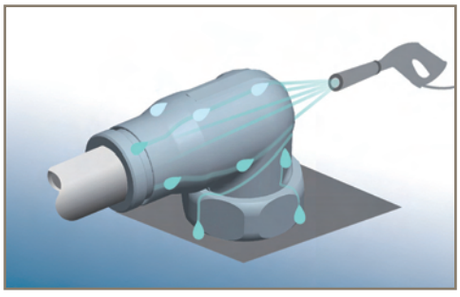
** For higher temperatures (up to 150°C), please do not hesitate to contact us.*

# Reliable and robust design

- **Proven gripping technology**
  - The collet guarantees excellent gripping and improved pull-out forces for soft tubing.
  - The collet is resistant to mechanical shocks and prevents whiplash, in particular when using metallic (pre-grooved) tubing.
- **Simple and reliable design.**
- **100 % unit control and dating of manufactured components** in order to guarantee quality, traceability and performance.
- **FKM seal** resistant to the majority of aggressive chemicals.
- **Pressure rating : 30 bar, temperature capability : 120°C.**
- **Sealed bulkhead connectors** (to IP51) enabling complete protection against detrimental ingress in dry and moist zone areas.

# Hygienic design





- Nutriment grade materials and H1 grease conforming to FDA and 1934/2004 CE standards, permitting permanent contact with foodstuffs.
- A permissible all metal product, avoiding the risk of non-detection of misplaced components.
- A very smooth surface design aimed at reducing retention zones for safe and easy cleaning:
  - Compact fittings with a polished surface for improved cleaning.
  - Self draining design naturally ensures the dispersion of external fluids.
  - Ra > 0.8 surface prevents food deposits from adhering to body.
  - Minimum space between release button and body of fitting.
  - Aerodynamic body shape, without dead zones or fixing holes, for improved and quicker fluid pressure cleaning.
  - A range of parallel sub bases, reducing potential retention zone areas.

> **LF 3900** and **LF 3800** fittings conform to the following standards:

FDA

All materials in contact with food are in compliance with the American Food and Drug Administration and European directive 1935/2004/CE.

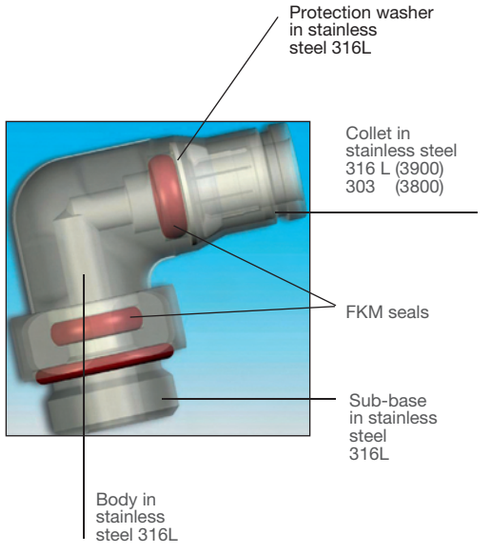
RoHs

Reduction of Hazardous Substances – 2002/95/CE. All products shown in this catalogue are RoHs certified.

**Our instant fittings and tubes are guaranted phtalate, BPA and silicone free.**

# Technical Specifications

## Technical conditions of use




| | |
|---|---|
| Working pressure | 30 bar maximum dependant on tubing used |
| Working temperature | from -20° to +120°C* dependant on the type and size of tubing<br>*For higher temperatures (up to 150°C), please do not hesitate to contact us. |
| Compatible fluids | all fluids compatible with fitting and tubing materials |
| Material specification | • body : stainless steel 316L<br>• collet :<br>- stainless steel 316L (LF 3900)<br>- stainless steel 303 (LF 3800)<br>• washer : stainless steel 316L<br>• "O" ring : FKM |

Tightening torque for bulkhead fittings with O-ring

Maximum tightening torque for BSPP threads with O-ring

| Thread | Maxi tightening torque |
|---|---|
| M5 | 0.16 daN.m |
| G1/8 | 0.8 daN.m |
| G1/4 | 1.2 daN.m |
| G3/8 | 3 daN.m |
| G1/2 | 3.5 daN.m |

Tightening torque for bulkhead washer

| Diameter | Mini tightening torque | Maxi tightening torque |
|---|---|---|
| 4 mm | 0.5 daN.m | 0.9 daN.m |
| 6 mm | 0.5 daN.m | 0.9 daN.m |
| 8 mm | 0.6 daN.m | 1 daN.m |
| 10 mm | 0.6 daN.m | 1 daN.m |
| 12 mm | 0.6 daN.m | 1 daN.m |

## Precautions

- **LF 3900 and LF 3800 can be used at 30 bar with grooved stainless steel tube.**
  **Precautions to be taken when using stainless steel tube :**
  - deburr the tube in order to avoid damage to the seal
  - groove the tube
  - check that the collet correctly grips the tube

- Precautions to be taken when using **FEP tubing** at **high temperature** (above 40°C for example) : a ferrule must be used, apart from the 4 mm size.

- It is recommended to recut **FEP tubing** after disconnection in order to avoid possible leakage when reused.

- For taper thread sub-bases, a pre-coating must be added (FEP tape or sealant).

- In applications where access is difficult, disconnection tool (part number 3000 70 xx) helps to remove the tube from the fitting.

# Chemical Resistance for LF 3900 and LF 3800

| 1 | 2 | 3 | 4 |
|---|---|---|---|
| Very acceptable | Acceptable | Slightly unacceptable | Do not use |

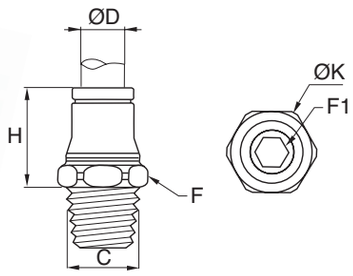
| Description | Chemical Symbols | LF 3800 | LF 3900 |
|---|---|---|---|
| Air | | 1 | 1 |
| Fatty amonium acetates | | 1 | 1 |
| Acetic acid (10%, 20°C) | CH3COOH | 1 | 1 |
| Acetic acid (100%, 20°C) | CH3COOH | 3 | 3 |
| Acetic acid (50%, 20°C) | CH3COOH | 2 | 2 |
| Acetic acid (50%, 70°C) | CH3COOH | 3 | 3 |
| Phosphoric acid (60%, 23°C) | H3PO4 | 2 | 1 |
| Ammonia gas | NH3 | 4 | 4 |
| Ammonia liquid | | 4 | 4 |
| Saline environment | | 4 | 2 |
| Nitrogen | N2 | 1 | 1 |
| Benzene | C6H6 | * please consult us | |
| Beer | | 1* | 1* |
| Carconate Drinks (Coca Cola) | | 2* | 2* |
| Bromine liquid | Br2 | 4 | 4 |
| CO2 | CO2 | 1* | 1* |
| Dioxane | C4H8O2 | 4 | 4 |
| Water (100°C) | H2O | 1 | 1 |
| Water (24°C) | H2O | 1 | 1 |
| Water demineralised | | 2* | 1* |
| Sea water | | 4 | 3 |
| Methyl Alcohol (23°C) | C2H5OH | 2 | 2 |
| Methyl Alcohol (85°C) | C2H5OH | 3 | 3 |
| Fluor dry, gas | F2 | * please consult us | |
| Fuel oil | | * please consult us | |
| Gasoline | | * please consult us | |
| Inert gases | | 1* | 1* |

| Description | Chemical Symbols | LF 3800 | LF 3900 |
|---|---|---|---|
| Glucose | | 1 | 1 |
| Grease | | 1 | 1 |
| Hexane | C6H14 | 2 | 2 |
| Animal oil (lard oil) | | 1 | 1 |
| Olive oil | | 1 | 1 |
| Vegetable oil | | 1 | 1 |
| Hydrogen gas | | * please consult us | |
| Castor oil | | 2 | 2 |
| Potassium Hydroxide (27%, 23°C) | KOH | 2 | 2 |
| Sodium Hypochloride (12%) | | 4 | 4 |
| Sodium Hypochloride (5%) | | 3 | 2 |
| Isopropryl alcohol (23°C) | C3H7OH | 1 | 1 |
| Isopropryl alcohol (85°C) | C3H7OH | 2 | 2 |
| Milk | | * please consult us | |
| Mercury | Hg | 1 | 1 |
| Methanol | CH3OH | 4 | 4 |
| Oxygen | O2 | * please consult us | |
| Sodium phosphate | NA3PO4 | 2 | 1 |
| Propane gas | | * please consult us | |
| Propylene glycol | | 2 | 1 |
| Potassium silicates | K2O8SI2 | 1 | 1 |
| Sodium silicate | NA2O8SI2 | 1 | 1 |
| Caustic soda (10%, 20°C) | NAOH | 1 | 1 |
| Caustic soda (50%, 23°C) | NAOH | 2 | 2 |
| Caustic soda (50%, 85°C) | NAOH | 3 | 2 |
| Steam (150°C) | | * please consult us | |
| Wine | | 1* | 1* |

* please consult our technical department regarding conditions of use

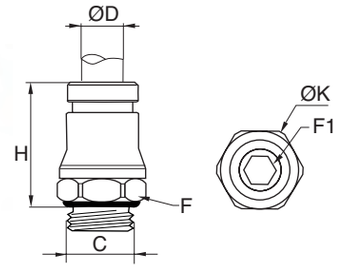
# Threaded Fittings

## 3905 / 3805 Male stud fitting – BSP taper



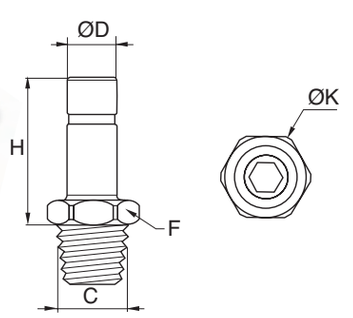

| ØD | C | LF 3900 | LF 3800 | F | F1 | H | ØK | KG |
|---|---|---|---|---|---|---|---|---|
| 4 | R1/8 | **3905 04 10** | **3805 04 10** | 10 | 3 | 14,5 | 11 | 0,008 |
| 4 | R1/4 | **3905 04 13** | **3805 04 13** | 14 | 3 | 14,5 | 15 | 0,016 |
| 6 | R1/8 | **3905 06 10** | **3805 06 10** | 13 | 4 | 18 | 14 | 0,012 |
| 6 | R1/4 | **3905 06 13** | **3805 06 13** | 14 | 4 | 16,5 | 15 | 0,018 |
| 8 | R1/8 | **3905 08 10** | **3805 08 10** | 15 | 5 | 20,5 | 16,5 | 0,014 |
| 8 | R1/4 | **3905 08 13** | **3805 08 13** | 15 | 5 | 19 | 16,5 | 0,019 |
| 8 | R3/8 | **3905 08 17** | **3805 08 17** | 17 | 6 | 19 | 18,5 | 0,026 |
| 10 | R1/4 | **3905 10 13** | **3805 10 13** | 19 | 6 | 24 | 21 | 0,030 |
| 10 | R3/8 | **3905 10 17** | **3805 10 17** | 19 | 7 | 22,5 | 21 | 0,035 |
| 12 | R1/4 | **3905 12 13** | **3805 12 13** | 22 | 7 | 25 | 24 | 0,036 |
| 12 | R3/8 | **3905 12 17** | **3805 12 17** | 22 | 8 | 24 | 24 | 0,040 |
| 12 | R1/2 | **3905 12 21** | **3805 12 21** | 22 | 10 | 23 | 24 | 0,049 |

## 3901 / 3801 Male stud fitting – BSP parallel and M5



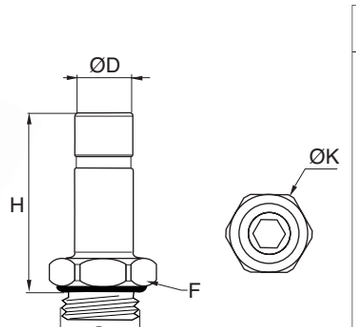

| ØD | C | LF 3900 | LF 3800 | F | F1 | H | ØK | KG |
|---|---|---|---|---|---|---|---|---|
| 4 | M5x0,8 | **3901 04 19** | **3801 04 19** | 10 | 2,5 | 16 | 11 | 0,004 |
| 4 | G1/8 | **3901 04 10** | **3801 04 10** | 13 | 3 | 15 | 14 | 0,010 |
| 6 | M5x0,8 | **3901 06 19** | **3801 06 19** | 13 | 2,5 | 20,5 | 14 | 0,096 |
| 6 | G1/8 | **3901 06 10** | **3801 06 10** | 13 | 4 | 18 | 14 | 0,011 |
| 6 | G1/4 | **3901 06 13** | **3801 06 13** | 17 | 4 | 18 | 18,5 | 0,016 |
| 8 | G1/8 | **3901 08 10** | **3801 08 10** | 15 | 5 | 19 | 16,5 | 0,014 |
| 8 | G1/4 | **3901 08 13** | **3801 08 13** | 17 | 5 | 20,5 | 18,5 | 0,019 |
| 8 | G3/8 | **3901 08 17** | **3801 08 17** | 21 | 6 | 20 | 23 | 0,029 |
| 10 | G1/4 | **3901 10 13** | **3801 10 13** | 18 | 7 | 25 | 19,5 | 0,024 |
| 10 | G3/8 | **3901 10 17** | **3801 10 17** | 21 | 7 | 25 | 23 | 0,036 |
| 12 | G1/4 | **3901 12 13** | **3801 12 13** | 21 | 7 | 27 | 23 | 0,031 |
| 12 | G3/8 | **3901 12 17** | **3801 12 17** | 21 | 9 | 26,5 | 23 | 0,035 |

## 3921 / 3821 Male standpipe – BSP taper




| ØD | C | LF 3900 | LF 3800 | F | H | KG |
|---|---|---|---|---|---|---|
| 4 | R1/8 | **3921 04 10** | **3821 04 10** | 10 | 21 | 0,006 |
| 6 | R1/8 | **3921 06 10** | **3821 06 10** | 10 | 23 | 0,008 |
| 6 | R1/4 | **3921 06 13** | **3821 06 13** | 14 | 24 | 0,017 |
| 8 | R1/8 | **3921 08 10** | **3821 08 10** | 10 | 24 | 0,007 |
| 8 | R1/4 | **3921 08 13** | **3821 08 13** | 14 | 25 | 0,020 |
| 10 | R1/4 | **3921 10 13** | **3821 10 13** | 14 | 30 | 0,023 |
| 10 | R3/8 | **3921 10 17** | **3821 10 17** | 17 | 30 | 0,023 |
| 12 | R1/4 | **3921 12 13** | **3821 12 13** | 14 | 31 | 0,025 |
| 12 | R3/8 | **3921 12 17** | **3821 12 17** | 17 | 31 | 0,031 |
| 12 | R1/2 | **3921 12 21** | **3821 12 21** | 22 | 32 | 0,052 |

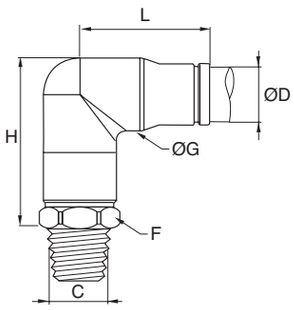
## 3931 / 3831 Male standpipe – BSP parallel and M5




| ØD | C | LF 3900 | LF 3800 | F | H | ØK | KG |
|---|---|---|---|---|---|---|---|
| 4 | M5x0,8 | **3931 04 19** | **3831 04 19** | 7 | 23,5 | 8 | 0,003 |
| 4 | G1/8 | **3931 04 10** | **3831 04 10** | 13 | 22 | 14 | 0,008 |
| 4 | G1/4 | **3931 04 13** | **3831 04 13** | 17 | 22 | 18,5 | 0,015 |
| 6 | G1/8 | **3931 06 10** | **3831 06 10** | 13 | 24 | 14 | 0,009 |
| 6 | G1/4 | **3931 06 13** | **3831 06 13** | 17 | 24 | 18,5 | 0,015 |
| 8 | G1/8 | **3931 08 10** | **3831 08 10** | 13 | 25 | 14 | 0,099 |
| 8 | G1/4 | **3931 08 13** | **3831 08 13** | 17 | 27 | 18,5 | 0,019 |
| 8 | G3/8 | **3931 08 17** | **3831 08 17** | 21 | 27 | 23 | 0,025 |
| 10 | G1/4 | **3931 10 13** | **3831 10 13** | 17 | 32 | 18,5 | 0,021 |
| 10 | G3/8 | **3931 10 17** | **3831 10 17** | 21 | 27 | 23 | 0,026 |
| 12 | G1/4 | **3931 12 13** | **3831 12 13** | 17 | 33 | 18,5 | 0,022 |
| 12 | G3/8 | **3931 12 17** | **3831 12 17** | 21 | 33 | 23 | 0,028 |
| 12 | G1/2 | **3931 12 21** | **3831 12 21** | 24 | 36 | 26 | 0,045 |

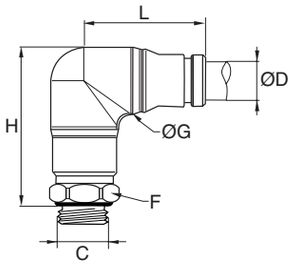
# Threaded Fittings

## 3909 / 3809 Male stud elbow – BSP taper



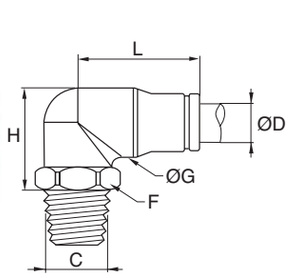

| ØD | C | LF 3900 | LF 3800 | F | G | H | L | KG |
|---|---|---|---|---|---|---|---|---|
| 4 | R1/8 | **3909 04 10** | **3809 04 10** | 10 | 11 | 25 | 19 | 0,021 |
| 4 | R1/4 | **3909 04 13** | **3809 04 13** | 14 | 11 | 26 | 19 | 0,028 |
| 6 | R1/8 | **3909 06 10** | **3809 06 10** | 13 | 12 | 30 | 24 | 0,031 |
| 6 | R1/4 | **3909 06 13** | **3809 06 13** | 14 | 12 | 30 | 24 | 0,037 |
| 8 | R1/8 | **3909 08 10** | **3809 08 10** | 14 | 14,5 | 34 | 24,9 | 0,040 |
| 8 | R1/4 | **3909 08 13** | **3809 08 13** | 14 | 14,5 | 34 | 24,9 | 0,047 |
| 10 | R1/4 | **3909 10 13** | **3809 10 13** | 19 | 17,5 | 39 | 31 | 0,068 |
| 10 | R3/8 | **3909 10 17** | **3809 10 17** | 19 | 17,5 | 39 | 31 | 0,690 |

## 3999 / 3899 Male stud elbow – BSP parallel and M5



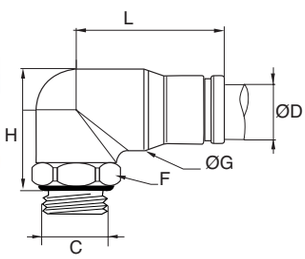

| ØD | C | LF 3900 | LF 3800 | F | G | H | L | KG |
|---|---|---|---|---|---|---|---|---|
| 4 | M5x0,8 | **3999 04 19** | **3899 04 19** | 10 | 10 | 27 | 19 | 0,017 |
| 4 | G1/8 | **3999 04 10** | **3899 04 10** | 13 | 10 | 27 | 19 | 0,021 |
| 4 | G1/4 | **3999 04 13** | **3899 04 13** | 17 | 10 | 27 | 19 | 0,028 |
| 6 | M5x0,8 | **3999 06 19** | **3899 06 19** | 13 | 12 | 33 | 24 | 0,031 |
| 6 | G1/8 | **3999 06 10** | **3899 06 10** | 13 | 12 | 33 | 24 | 0,031 |
| 6 | G1/4 | **3999 06 13** | **3899 06 13** | 17 | 12 | 32 | 24 | 0,036 |
| 8 | G1/8 | **3999 08 10** | **3899 08 10** | 14 | 15 | 35 | 25 | 0,039 |
| 8 | G1/4 | **3999 08 13** | **3899 08 13** | 17 | 15 | 35 | 25 | 0,045 |
| 8 | G3/8 | **3999 08 17** | **3899 08 17** | 21 | 15 | 34,5 | 25 | 0,050 |
| 10 | G1/4 | **3999 10 13** | **3899 10 13** | 18 | 17 | 43 | 31 | 0,067 |
| 10 | G3/8 | **3999 10 17** | **3899 10 17** | 21 | 17 | 42 | 31 | 0,073 |

## 3989 / 3889 Compact male stud elbow – BSP taper




| ØD | C | LF 3900 | LF 3800 | F | G | H | L | KG |
|---|---|---|---|---|---|---|---|---|
| 4 | R1/8 | **3989 04 10** | **3889 04 10** | 13 | 11 | 18 | 19 | 0,019 |
| 4 | R1/4 | **3989 04 13** | **3889 04 13** | 14 | 11 | 18 | 19 | 0,026 |
| 6 | R1/8 | **3989 06 10** | **3889 06 10** | 13 | 12 | 20 | 24 | 0,026 |
| 6 | R1/4 | **3989 06 13** | **3889 06 13** | 14 | 12 | 20 | 23 | 0,033 |
| 8 | R1/8 | **3989 08 10** | **3889 08 10** | 13 | 14,5 | 24,5 | 32 | 0,036 |
| 8 | R1/4 | **3989 08 13** | **3889 08 13** | 14 | 14,5 | 23,5 | 24 | 0,040 |
| 8 | R3/8 | **3989 08 17** | **3889 08 17** | 19 | 15 | 23 | 25 | 0,053 |
| 10 | R1/4 | **3989 10 13** | **3889 10 13** | 17 | 17 | 27 | 31 | 0,060 |
| 10 | R3/8 | **3989 10 17** | **3889 10 17** | 19 | 17 | 26 | 31 | 0,064 |
| 12 | R1/4 | **3989 12 13** | **3889 12 13** | 22 | 20 | 31,5 | 33 | 0,091 |
| 12 | R3/8 | **3989 12 17** | **3889 12 17** | 22 | 20 | 32,5 | 33 | 0,090 |
| 12 | R1/2 | **3989 12 21** | **3889 12 21** | 22 | 20 | 27,5 | 33 | 0,095 |

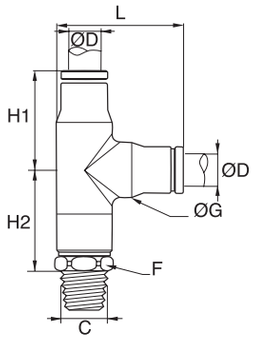
## 3979 / 3879 Compact male stud elbow – BSP parallel




| ØD | C | LF 3900 | LF 3800 | F | G | H | L | KG |
|---|---|---|---|---|---|---|---|---|
| 4 | G1/8 | **3979 04 10** | **3879 04 10** | 10 | 11 | 22 | 19 | 0,013 |
| 4 | G1/4 | **3979 04 13** | **3879 04 13** | 17 | 11 | 20 | 19 | 0,027 |
| 6 | G1/8 | **3979 06 10** | **3879 06 10** | 13 | 12 | 24 | 24 | 0,025 |
| 6 | G1/4 | **3979 06 13** | **3879 06 13** | 17 | 12 | 22 | 24 | 0,034 |
| 8 | G1/8 | **3979 08 10** | **3879 08 10** | 13 | 15 | 25 | 25 | 0,033 |
| 8 | G1/4 | **3979 08 13** | **3879 08 13** | 17 | 15 | 25 | 25 | 0,040 |
| 8 | G3/8 | **3979 08 17** | **3879 08 17** | 21 | 15 | 23 | 25 | 0,510 |
| 10 | G1/4 | **3979 10 13** | **3879 10 13** | 18 | 17 | 43 | 31 | 0,670 |
| 10 | G3/8 | **3979 10 17** | **3879 10 17** | 21 | 17 | 40 | 31 | 0,072 |
| 12 | G1/4 | **3979 12 13** | **3879 12 13** | 17 | 20 | 33 | 33 | 0,074 |
| 12 | G3/8 | **3979 12 17** | **3879 12 17** | 21 | 20 | 33 | 33 | 0,082 |
| 12 | G1/2 | **3979 12 21** | **3879 12 21** | 24 | 20 | 30 | 33 | 0,096 |

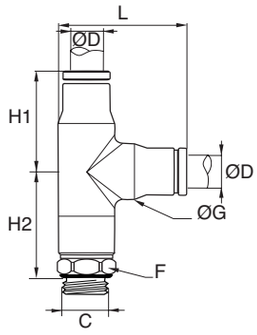
# Threaded Fittings

## 3903 / 3803 Male stud run tee – BSP taper



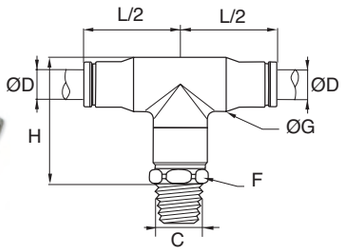

| ØD | C | LF 3900 | LF 3800 | F | G | H1 | H2 | L | KG |
|---|---|---|---|---|---|---|---|---|---|
| 4 | R1/8 | **3903 04 10** | **3803 04 10** | 10 | 11 | 19 | 20 | 24,5 | 0,025 |
| 4 | R1/4 | **3903 04 13** | **3803 04 13** | 14 | 11 | 19 | 20 | 26,5 | 0,035 |
| 6 | R1/8 | **3903 06 10** | **3803 06 10** | 13 | 12 | 24 | 24 | 30 | 0,038 |
| 6 | R1/4 | **3903 06 13** | **3803 06 13** | 14 | 12 | 24 | 24 | 30 | 0,045 |
| 8 | R1/8 | **3903 08 10** | **3803 08 10** | 14 | 14,5 | 25 | 27 | 32 | 0,051 |
| 8 | R1/4 | **3903 08 13** | **3803 08 13** | 14 | 14,5 | 25 | 27 | 32 | 0,057 |
| 8 | R3/8 | **3903 08 17** | **3803 08 17** | 19 | 15 | 25 | 26 | 34,5 | 0,068 |
| 10 | R1/4 | **3903 10 13** | **3803 10 13** | 19 | 17 | 31 | 31 | 39 | 0,082 |
| 10 | R3/8 | **3903 10 17** | **3803 10 17** | 19 | 17 | 31 | 31 | 39 | 0,083 |

## 3993 / 3893 Male stud run tee – BSP parallel and M5



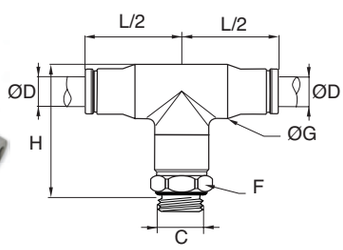

| ØD | C | LF 3900 | LF 3800 | F | G | H1 | H2 | L | KG |
|---|---|---|---|---|---|---|---|---|---|
| 4 | M5x0,8 | **3993 04 19** | **3893 04 19** | 10 | 11 | 19 | 21,5 | 24,5 | 0,027 |
| 4 | G1/8 | **3993 04 10** | **3893 04 10** | 13 | 11 | 19 | 21,5 | 25,5 | 0,027 |
| 4 | G1/4 | **3993 04 13** | **3893 04 13** | 17 | 11 | 19 | 21,9 | 28,3 | 0,034 |
| 6 | G1/8 | **3993 06 10** | **3893 06 10** | 13 | 12 | 24 | 26,5 | 30 | 0,038 |
| 6 | G1/4 | **3993 06 13** | **3893 06 13** | 17 | 12 | 24 | 25,9 | 32 | 0,044 |
| 8 | G1/8 | **3993 08 10** | **3893 08 10** | 14 | 15 | 25 | 27,5 | 32 | 0,050 |
| 8 | G1/8 | **3993 08 13** | **3893 08 13** | 17 | 15 | 25 | 28,2 | 33,5 | 0,055 |
| 8 | G3/8 | **3993 08 17** | **3893 08 17** | 21 | 15 | 25 | 27,3 | 35,5 | 0,060 |
| 10 | G1/4 | **3993 10 13** | **3893 10 13** | 18 | 17 | 31 | 35,6 | 39,6 | 0,080 |
| 10 | G3/8 | **3993 10 17** | **3893 10 17** | 21 | 17 | 31 | 33,6 | 41 | 0,086 |

## 3908 / 3808 Male stud branch tee – BSP taper




| ØD | C | LF 3900 | LF 3800 | F | G | H | L/2 | KG |
|---|---|---|---|---|---|---|---|---|
| 4 | R1/8 | **3908 04 10** | **3808 04 10** | 11 | 11 | 25 | 19 | 0,025 |
| 4 | R1/4 | **3908 04 13** | **3808 04 13** | 14 | 11 | 26 | 19 | 0,035 |
| 6 | R1/8 | **3908 06 10** | **3808 06 10** | 13 | 12 | 30 | 24 | 0,038 |
| 6 | R1/4 | **3908 06 13** | **3808 06 13** | 14 | 12 | 30 | 24 | 0,045 |
| 8 | R1/8 | **3908 08 10** | **3808 08 10** | 14 | 14,5 | 34 | 25 | 0,050 |
| 8 | R1/4 | **3908 08 13** | **3808 08 13** | 14 | 14,5 | 34 | 25 | 0,056 |
| 8 | R3/8 | **3908 08 17** | **3808 08 17** | 19 | 15 | 33 | 25 | 0,068 |
| 10 | R1/4 | **3908 10 13** | **3808 10 13** | 19 | 17 | 39 | 31 | 0,081 |
| 10 | R3/8 | **3908 10 17** | **3808 10 17** | 19 | 17 | 39 | 31 | 0,083 |

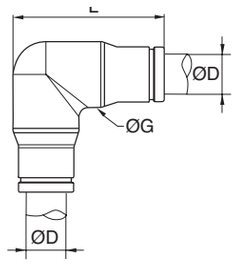
## 3998 / 3898 Male stud branch tee – BSP parallel and M5




| ØD | C | LF 3900 | LF 3800 | F | G | H | L/2 | KG |
|---|---|---|---|---|---|---|---|---|
| 4 | M5x0,8 | **3998 04 19** | **3898 04 19** | 10 | 11 | 26,8 | 19 | 0,023 |
| 4 | G1/8 | **3998 04 10** | **3898 04 10** | 13 | 11 | 27,3 | 19 | 0,026 |
| 4 | G1/4 | **3998 04 13** | **3898 04 13** | 17 | 11 | 27,3 | 19 | 0,034 |
| 6 | M5x0,8 | **3998 06 19** | **3898 06 19** | 13 | 12 | 33,5 | 24 | 0,038 |
| 6 | G1/8 | **3998 06 10** | **3898 06 10** | 13 | 12 | 32,7 | 24 | 0,038 |
| 6 | G1/4 | **3998 06 13** | **3898 06 13** | 17 | 12 | 32 | 24 | 0,044 |
| 8 | G1/8 | **3998 08 10** | **3898 08 10** | 14 | 15 | 34,8 | 25 | 0,049 |
| 8 | G1/4 | **3998 08 13** | **3898 08 13** | 17 | 15 | 35 | 25 | 0,055 |
| 8 | G3/8 | **3998 08 17** | **3898 08 17** | 21 | 15 | 34,5 | 25 | 0,059 |
| 10 | G1/4 | **3998 10 13** | **3898 10 13** | 18 | 17 | 43,2 | 31 | 0,080 |
| 10 | G3/8 | **3998 10 17** | **3898 10 17** | 21 | 17 | 41,2 | 31 | 0,086 |

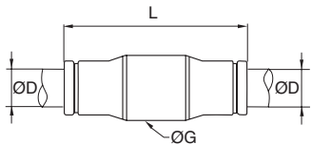
# Tube-to-Tube Fittings

## 3902 / 3802 Equal elbow



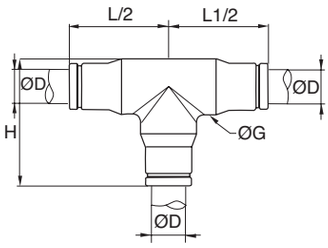

| ØD | LF 3900 | LF 3800 | G | L | KG |
|---|---|---|---|---|---|
| 4 | 3902 04 00 | 3802 04 00 | 10 | 24 | 0,015 |
| 6 | 3902 06 00 | 3802 06 00 | 12 | 30 | 0,023 |
| 8 | 3902 08 00 | 3802 08 00 | 14,5 | 32,2 | 0,031 |
| 10 | 3902 10 00 | 3802 10 00 | 17 | 39 | 0,048 |
| 12 | 3902 12 00 | 3802 12 00 | 20 | 43 | 0,063 |

## 3906 / 3806 Equal tube / tube connector




| ØD | LF 3900 | LF 3800 | G | L | KG |
|---|---|---|---|---|---|
| 4 | 3906 04 00 | 3806 04 00 | 10 | 30 | 0,009 |
| 6 | 3906 06 00 | 3806 06 00 | 12 | 37 | 0,015 |
| 8 | 3906 08 00 | 3806 08 00 | 15 | 38 | 0,020 |
| 10 | 3906 10 00 | 3806 10 00 | 17 | 49 | 0,032 |
| 12 | 3906 12 00 | 3806 12 00 | 19,5 | 49,5 | 0,039 |

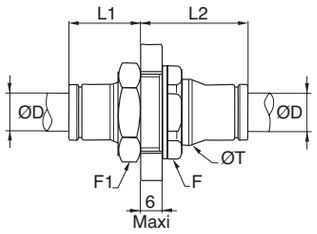
## 3904 / 3804 Equal tee




| ØD | LF 3900 | LF 3800 | G | H | L/2 | KG |
|---|---|---|---|---|---|---|
| 4 | 3904 04 00 | 3804 04 00 | 11 | 24 | 19 | 0,020 |
| 6 | 3904 06 00 | 3804 06 00 | 12 | 30 | 24 | 0,031 |
| 8 | 3904 08 00 | 3804 08 00 | 14,5 | 32 | 25 | 0,041 |
| 10 | 3904 10 00 | 3804 10 00 | 17 | 39 | 31 | 0,062 |
| 12 | 3904 12 00 | 3804 12 00 | 20,5 | 43 | 33 | 0,086 |

## 3916 / 3816 Equal bulkhead connector

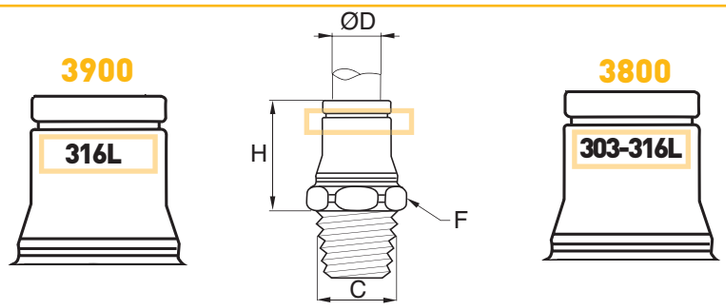
**IP 51**




| ØD | LF 3900 | LF 3800 | F | F1 | L1 | L2 | T | KG |
|---|---|---|---|---|---|---|---|---|
| 4 | 3916 04 00 | 3816 04 00 | 14 | 13 | 15 | 18 | 13 | 0,018 |
| 6 | 3916 06 00 | 3816 06 00 | 17 | 17 | 19 | 21 | 15 | 0,028 |
| 8 | 3916 08 00 | 3816 08 00 | 19 | 19 | 20 | 22 | 17 | 0,035 |
| 10 | 3916 10 00 | 3816 10 00 | 22 | 22 | 24 | 26 | 21 | 0,052 |
| 12 | 3916 12 00 | 3816 12 00 | 24 | 24 | 25 | 26 | 23 | 0,062 |

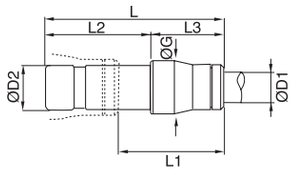
## Identifying a **LF 3900** from a **LF 3800** ?

> You can identify a **LF 3900** fitting from the **LF 3800** version by the marking on the body of each fitting.



# Plug-in Accessories

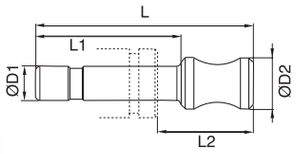
## 3966 / 3866 Reducer




| ØD1 | ØD2 | LF 3900 | LF 3800 | G | L | L1 | L2 | L3 | KG |
|---|---|---|---|---|---|---|---|---|---|
| 4 | 6 | **3966 04 06** | **3866 04 06** | 10 | 35 | 19 | 19 | 16 | 0,008 |
| 4 | 8 | **3966 04 08** | **3866 04 08** | 10 | 34 | 17 | 20 | 14 | 0,011 |
| 6 | 8 | **3966 06 08** | **3866 06 08** | 12 | 42 | 24 | 23 | 19 | 0,014 |
| 6 | 10 | **3966 06 10** | **3866 06 10** | 12 | 42 | 19 | 25 | 17 | 0,018 |
| 8 | 10 | **3966 08 10** | **3866 08 10** | 15 | 45 | 22,5 | 25 | 19 | 0,021 |
| 8 | 12 | **3966 08 12** | **3866 08 12** | 15 | 43 | 20 | 26 | 17 | 0,023 |
| 10 | 12 | **3966 10 12** | **3866 10 12** | 17 | 51 | 23 | 26 | 25 | 0,029 |

## 3826 Blanking plug

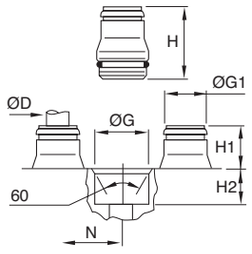
**316 L**




| ØD1 | ØD2 | LF 3800 | L | L1 | L2 | KG |
|---|---|---|---|---|---|---|
| 4 | 6 | **3826 04 00** | 25,4 | 17 | 11,1 | 0,003 |
| 6 | 8 | **3826 06 00** | 30,4 | 19,5 | 13,5 | 0,007 |
| 8 | 10 | **3826 08 00** | 33 | 20 | 14,4 | 0,013 |
| 10 | 12 | **3826 10 00** | 40 | 25 | 17 | 0,025 |
| 12 | 14 | **3826 12 00** | 43 | 26 | 18,7 | 0,038 |

# Cartridges

## 3900 / 3800 Cartridge




| ØD | LF 3900 | LF 3800 | G | G1 | H | H1 | H2 | N | KG |
|---|---|---|---|---|---|---|---|---|---|
| 4 | **3900 04 00** | **3800 04 00** | 9,8 | 8 | 18 | 9,5 | 8,5 | 11 | 0,004 |
| 6 | **3900 06 00** | **3800 06 00** | 12,1 | 10 | 20 | 11,5 | 8,5 | 13,5 | 0,008 |
| 8 | **3900 08 00** | **3800 08 00** | 14,8 | 13 | 22 | 13,5 | 8,5 | 16 | 0,012 |
| 10 | **3900 10 00** | **3800 10 00** | 17,5 | 15 | 25,5 | 15 | 10,5 | 20 | 0,014 |
| 12 | **3900 12 00** | **3800 12 00** | 20 | 17 | 26 | 15,5 | 10,5 | 22,5 | 0,021 |

Le choix de la matière dans laquelle seront intégrés ces raccords doit faire l'objet d'une concertation entre Parker Legris et l'utilisateur. Merci de nous consulter pour obtenir le plan détaillé nécessaire à la réalisation des logements.

Principaux avantages d'une cartouche: - évite d'avoir à tarauder des pièces.
- permet de réduire l'encombrement en hauteur.
- connexion et déconnexion instantanées du tube.

# Tubing

### Polyethylene
From 4 to 14mm OD

> Good resistance to aggressive and corrosive agents.
> Conforms to FDA and 1935/2004/CE standards.
> Designed for food applications.
Sensitive to very aggressive cleaning chemical agents.

### Close tolerance FEP
From 4 to 12mm OD

> Excellent resistance to aggressive and corrosive agents and to high temperatures.
> Conforms to FDA and 1935/2004/CE standards.
Not suitable for vacuum with LF3900 / 3800 fittings.

### Semi-rigid nylon
From 4 to 16mm OD

> Good chemical resistance.
> Designed for standard pneumatic applications.
Not suitable for direct contact with food.

### Crystal clear polyether polyurethane
From 4 to 14mm OD

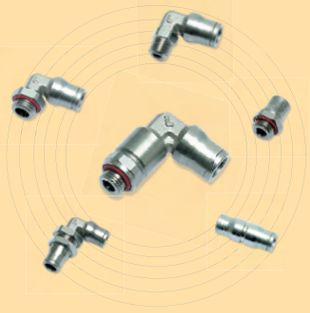
> Good resistance to humidity and bacteriological aggressions.
> Conforms to FDA and 1935/2004/CE standards.
> Designed for food applications, dry or temporarily humid (maximum 10 minutes).

# Connection Solutions for Industrial Fluids

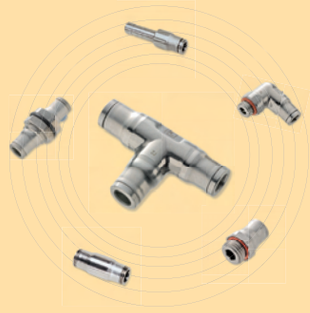
## > Low pressure connections

Push-in fittings, quick acting couplers, tubing and ball valves for all industries.
Applications include: assembly machines, packaging equipment, automation, food liquid circuits, automotive process industry.

**LF 3000,** polymer instant fittings for pneumatic applications.



**LF 3600,** nickel plated brass instant fittings for industrial and food applications.



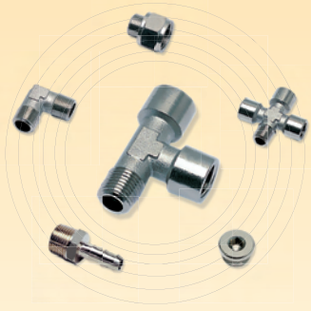
**LF 3800 / LF 3900,** advanced stainless steel instant fittings for food zone applications and aggressive fluids.

**Pneumatic function fittings** for industrial automation.

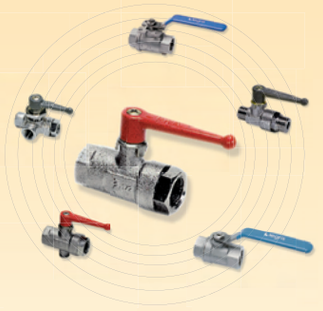
**Technical tubing** and hose for a complete connection solution.

Brass and stainless steel **compression fittings.**

Quick acting **couplers** and blowguns.



Nickel plated brass and stainless steel **accessories.**



**Industrial ball valves,** low and medium pressure, for all industries.

**Special products.**

**LIQUIfit,** a new range dedicated to the transportation of fluids and beverages.

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