

FE, FI Series

Compression Fittings for Radiator Valves

Product Specification Sheet

Standard Compression Fittings for Radiator Valves



Special Features

- Easy and fast pipe connection
- Applicable for most existing pipings
- No special tools needed
- High reliability

Technical Data

Operating temperature: Maximum 95°C / 120°C
 Operating pressure: Maximum 10 bar
 Transportation and storage temperature range: -20°C...70°C

Materials

FE, FI series compression fittings consist of:

- Brass CW617N
- NBR
- EPDM
- Nylon

Application

FE and FI compression fittings series are used to connect Honeywell radiator valves to the pipe system in heating applications.

The following types of compression fittings are available:

- Compression fittings for precision steel pipes
- Compression fittings for PEX pipes
- Compression fittings for multilayer pipes

Standard FE Series for Radiator Valves with External Thread



Application

- Compression fittings with soft sealing
- Suitable for use in heating systems and applications only
- Not suitable for use with strong acids and alkalis, aromatic and hydrogenated hydrocarbons, steam and ozone
- Not certified for drinking water applications

To be used for connecting pipes to Honeywell radiator valves with external (male) thread connection:

- G3/4" (DIN V 3838 – Euro cone)
- M22x1.5

Special Features

- Soft sealing connection
- Elastic clamping
- One-piece preassembled nut with compression ring
- One-piece reinforcing insert for PEX and multiskin pipes

Technical Data

Operating temperature: Maximum 95°C

Operating pressure: 10 bar

Tightening torque range: 15 – 20 Nm

Transportation and storage temperature range: –20°C...70°C

The maximum operating pressure and temperature are defined by the pipe manufacturer. However, the above figures must not be exceeded.

Materials

These compression fittings consist of:

- Nickel-plated brass (CW617N) nut
- Steel or brass (CW617N) compression ring
- NBR bushing
- Nylon reinforcing sleeve (for PEX pipes)
- Brass reinforcing adapter insert (CW617N) with tubular NBR bushing (for MULTILAYER pipes)

Standard FI Series for Radiator Valves with Internal Thread



Special Features

- Deformation clamping
- Metal to metal sealing
- Reinforcing insert for PRECISION STEEL pipes with wall thickness ≤ 1 mm

Technical Data

Operating temperature: Maximum 120°C (copper/steel pipes)

Operating temperature: Maximum 95°C (multilayer pipes)

Operating pressure: 10 bar

Tightening torque range: 25 – 30 Nm (copper/steel pipes)

Tightening torque range: 40 – 50 Nm (multilayer pipes)

Transportation and storage temperature range: -20°C...70°C

The maximum operating pressure and temperature are defined by the pipe manufacturer. However, the above figures must not be exceeded.

Materials

These compression fittings consist of:

- Nickel-plated brass (CW617N) nut
- Brass (CW617N) compression ring
- Brass (CW617N) reinforcing insert
- Brass (CW617N) adapter insert
- EPDM O-ring sealing (for MULTILAYER pipes)

Application

- Compression fittings with metal to metal sealing
- Suitable for use in heating systems and applications only
- Not certified for drinking water applications

To be used for connecting pipes to Honeywell radiator valves with internal (female) thread connection:

- Rp 3/8"
- Rp 1/2"
- Rp 3/4"

Dimensions and Ordering Information

Compression Fittings for Radiator Valves with External Thread

Compressing Fittings for COPPER and PRECISION STEEL Pipes



Special features of these compression fittings are:

- For valves with external (male) G3/4" thread connection
- For COPPER and PRECISION STEEL pipes
- Soft sealing connection
- One-piece (preassembled) fitting
- Reinforcing insert for pipes with wall thickness ≤ 1 mm not required

Part number	Fitting connection (internal thread)	Pipe dimension	Suitable for	Pcs in pack
FEG3/4CS10	G3/4"	10 mm	H-blocks V2461/95/96, V2060, V2406, V2200	1
FEG3/4CS12	G3/4"	12 mm	H-blocks V2461/95/96, V2060, V2406, V2200	1
FEG3/4CS14	G3/4"	14 mm	H-blocks V2461/95/96, V2060, V2406, V2200	1
FEG3/4CS14-10	G3/4"	14 mm	H-blocks V2461/95/96, V2060, V2406, V2200	10
FEG3/4CS15	G3/4"	15 mm	H-blocks V2461/95/96, V2060, V2406, V2200	1
FEG3/4CS15-10	G3/4"	15 mm	H-blocks V2461/95/96, V2060, V2406, V2200	10
FEG3/4CS16	G3/4"	16 mm	H-blocks V2461/95/96, V2060, V2406, V2200	1
FEG3/4CS18	G3/4"	18 mm	H-blocks V2461/95/96, V2060, V2406, V2200	1



Special features of these compression fittings are:

- For valves with external (male) M22x1.5 thread connection
- For COPPER and PRECISION STEEL pipes
- Soft sealing connection
- One-piece (preassembled) fitting
- Reinforcing insert for pipes with wall thickness ≤ 1 mm not required

Part number	Fitting connection (internal thread)	Pipe dimension	Suitable for	Pcs in pack
FEM22CS10	M22x1.5	10 mm	Mars - V300, V305	1
FEM22CS12	M22x1.5	12 mm	Mars - V300, V305	1
FEM22CS12-10	M22x1.5	12 mm	Mars - V300, V305	10
FEM22CS14	M22x1.5	14 mm	Mars - V300, V305	1
FEM22CS14-10	M22x1.5	14 mm	Mars - V300, V305	10
FEM22CS15	M22x1.5	15 mm	Mars - V300, V305	1
FEM22CS15-10	M22x1.5	15 mm	Mars - V300, V305	10
FEM22CS16	M22x1.5	16 mm	Mars - V300, V305	1

Compression Fittings for PEX Pipes

Special features of these compression fittings are:

- For valves with external (male) G3/4" thread connection
- For PEX pipes
- Soft sealing connection
- One-piece (preassembled) nut
- Reinforcing insert

Part number	Fitting connection (internal thread)	Pipe dimension	Suitable for	Pcs in pack
FEG3/4P12X1.1	G3/4"	12 x 1.1 mm	H-blocks V2461/95/96, V2060, V2406, V2200	1
FEG3/4P16X1.5	G3/4"	16 x 1.5 mm	H-blocks V2461/95/96, V2060, V2406, V2200	1



Special features of these compression fittings are:

- For valves with external (male) M22x1.5 thread connection
- For PEX pipes
- Soft sealing connection
- One-piece (preassembled) nut
- Reinforcing insert

Part number	Fitting connection (internal thread)	Pipe dimension	Suitable for	Pcs in pack
FEM22P12X1.1	M22 x 1.5	12 x 1.1 mm	Mars – V300, V305	1
FEM22P16X1.5	M22 x 1.5	16 x 1.5 mm	Mars – V300, V305	1

Compression Fittings for PEX and MULTILAYER Pipes

Special features of these compression fittings are:

- For valves with external (male) G3/4" thread connection
- For PEX and MULTILAYER pipes
- One-piece nut with preassembled anti-torsion elastic compression ring (avoiding torsion of the pipe)
- One-piece reinforcing insert

Part number	Fitting connection (internal thread)	Pipe dimension	Suitable for	Pcs in pack
FEG3/4PM14X2	G3/4"	14 x 2 mm	H-blocks V2461/95/96, V2060, V2406, V2200	1
FEG3/4PM16X2	G3/4"	16 x 2 mm	H-blocks V2461/95/96, V2060, V2406, V2200	1
FEG3/4PM16X2-10	G3/4"	16 x 2 mm	H-blocks V2461/95/96, V2060, V2406, V2200	10
FEG3/4PM16X2.2	G3/4"	16 x 2.2 mm	H-blocks V2461/95/96, V2060, V2406, V2200	1
FEG3/4PM17X2	G3/4"	17 x 2 mm	H-blocks V2461/95/96, V2060, V2406, V2200	1
FEG3/4PM17X2-10	G3/4"	17 x 2 mm	H-blocks V2461/95/96, V2060, V2406, V2200	10
FEG3/4PM18X2	G3/4"	18 x 2 mm	H-blocks V2461/95/96, V2060, V2406, V2200	1
FEG3/4PM18X2-10	G3/4"	18 x 2 mm	H-blocks V2461/95/96, V2060, V2406, V2200	10
FEG3/4PM20X2	G3/4"	20 x 2 mm	H-blocks V2461/95/96, V2060, V2406, V2200	1



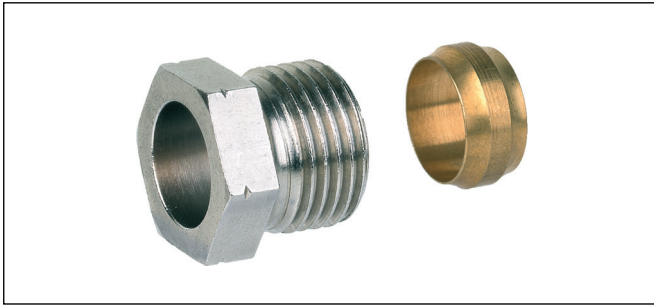
Special features of these compression fittings are:

- For valves with external (male) M22x1.5 thread connection
- For PEX and MULTILAYER pipes
- One-piece nut with preassembled compression ring
- One-piece reinforcing insert

Part number	Fitting connection (internal thread)	Pipe dimension	Suitable for	Pcs in pack
FEM22PM14X2	M22 x 1.5	14 x 2 mm	Mars – V300, V305	1
FEM22PM16X2	M22 x 1.5	16 x 2 mm	Mars – V300, V305	1
FEM22PM16X2-10	M22 x 1.5	16 x 2 mm	Mars – V300, V305	10
FEM22PM16X2.25	M22 x 1.5	16 x 2.25 mm	Mars – V300, V305	1

Compression Fittings for Radiator Valves with Internal Thread

Compression Fittings for COPPER and PRECISION STEEL Pipes

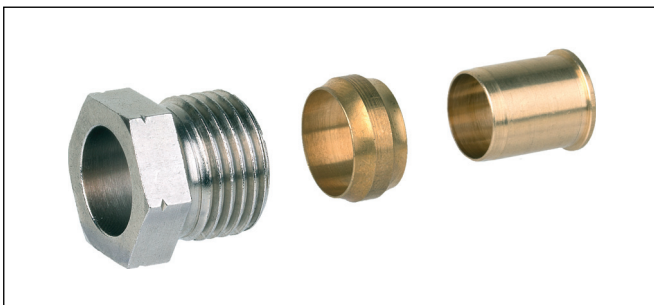


Special features of these compression fittings are:

- For valves with internal (female) Rp 3/8" - Rp 3/4" thread connection
- For COPPER and PRECISION STEEL pipes
- Metal to metal sealing
- Reinforcing insert for pipes with wall thickness ≤ 1 mm is required

Part number	Fitting connection (internal thread)	Pipe dimension	Suitable for	Pcs in pack
FIG3/8CS10	G3/8"	10 mm	V2000, V2020, V2400, Venus - V310, V320	1
FIG3/8CS12	G3/8"	12 mm	V2000, V2020, V2400, Venus - V310, V320	1
FIG1/2CS10	G1/2"	10 mm	V2000, V2020, V2400, Venus - V310, V320	1
FIG1/2CS12	G1/2"	12 mm	V2000, V2020, V2400, Venus - V310, V320	1
FIG1/2CS14	G1/2"	14 mm	V2000, V2020, V2400, Venus - V310, V320	1
FIG1/2CS15	G1/2"	15 mm	V2000, V2020, V2400, Venus - V310, V320	1
FIG1/2CS15-10	G1/2"	15 mm	V2000, V2020, V2400, Venus - V310, V320	10
FIG1/2CS16	G1/2"	16 mm	V2000, V2020, V2400, Venus - V310, V320	1
FIG3/4CS18	G3/4"	18 mm	V2000, V2020	1
FIG3/4CS22	G3/4"	22 mm	V2000, V2020	1

Compression Fittings for COPPER, PRECISION STEEL and PRECISION SOFT STEEL Pipes



Special features of these compression fittings are:

- For valves with internal (female) Rp 3/8" - Rp 3/4" thread connection
- For COPPER, PRECISION STEEL and PRECISION SOFT STEEL pipes
- Metal to metal sealing
- Reinforcing insert for pipes with wall thickness ≤ 1 mm required

Part number	Fitting connection (internal thread)	Pipe dimension	Suitable for	Pcs in pack
FIG3/8CSS12	G3/8"	12 mm	V2000, V2020, V2400, Venus - V310, V320	1
FIG1/2CSS12	G1/2"	12 mm	V2000, V2020, V2400, Venus - V310, V320	1
FIG1/2CSS14	G1/2"	14 mm	V2000, V2020, V2400, Venus - V310, V320	1
FIG1/2CSS15	G1/2"	15 mm	V2000, V2020, V2400, Venus - V310, V320	1
FIG1/2CSS16	G1/2"	16 mm	V2000, V2020, V2400, Venus - V310, V320	1
FIG1/2CSS18	G1/2"	18 mm	V2000, V2020, V2400, Venus - V310, V320	1
FIG3/4CSS18	G3/4"	18 mm	V2000, V2020	1

Compression Fittings for MULTILAYER Pipes



Special features of these compression fittings are:

- For valves with internal (female) Rp 1/2" thread connection
- For MULTILAYER pipes

Part number	Fitting connection (internal thread)	Pipe dimension	Suitable for	Pcs in pack
FIG1/2M16X2	G1/2"	16 x 2 mm	V2000, V2020, V2400, Venus - V310, V320	1

Honeywell

Environmental and Combustion Controls

Honeywell GmbH
 Hardhofweg
 74821 MOSBACH
 GERMANY
 Phone: (49) 6261 810
 Fax: (49) 6261 81309
<http://ecc.emea.honeywell.com>

Manufactured for and on behalf of the
 Environmental and Combustion Controls Division of Honeywell
 Technologies Sàrl, Z.A. La Pièce 16, 1180 Rolle, Switzerland
 by its Authorised Representative Honeywell GmbH
 EN0H-2907GE25-R0315
 Subject to change without notice
 © 2015 Honeywell GmbH