

FE, FI Series

Compression Fittings for Radiator Valves

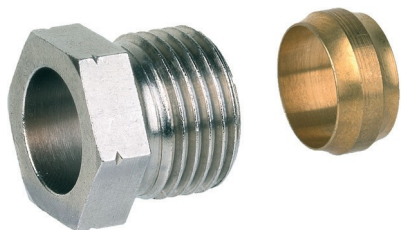
Product Specification Sheet

Standard Compression Fittings for Radiator Valves

FE series for valves with external thread



FI series for valves with internal thread



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 Home 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 Home 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



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 Home radiator valves with internal (female) thread connection:

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

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)

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



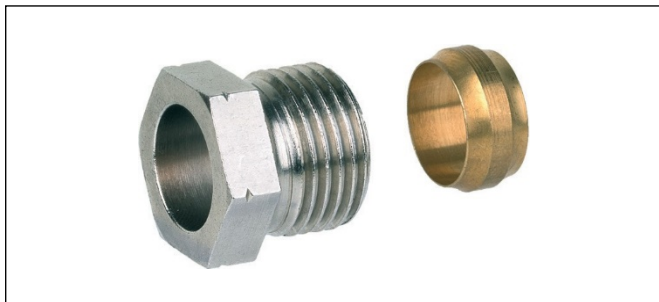
Special features of these compression fittings are:

- 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

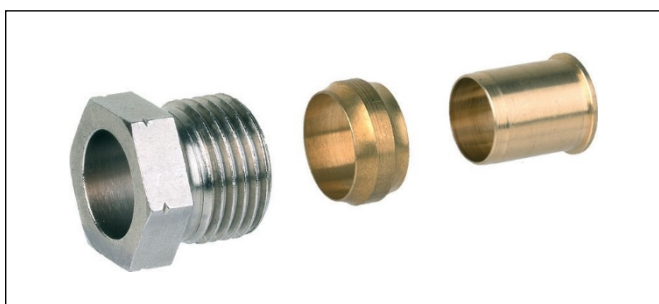


Special features of these compression fittings are:

- 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 $\sim \leq 1$ 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