

Grease Fittings and Bleed Fittings

FVCGF Series, VCGF Series, FPIF Series, PIF Series and BVF Series



FITOK
Valves and Fittings

www.fitokgroup.com

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Grease Fittings

Application

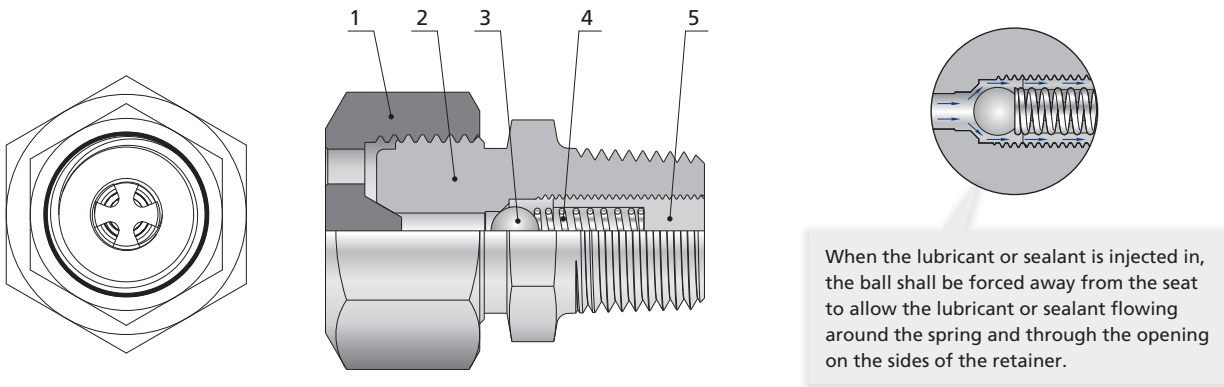
Installed onto the seat and stem of valves. Leakage may occur when the sealed part wears off or for other reasons. By injecting the grease through the grease fitting, the leakage will be sealed temporarily to secure time for remedial measures.

FVCGF Series

Features

- ◎ Maximum working pressure: 10,000 psig (690 bar)
- ◎ Special design to enable lubricant or sealant to flow in around the spring smoothly
- ◎ All-metal construction, applicable in both high and low temperature environments

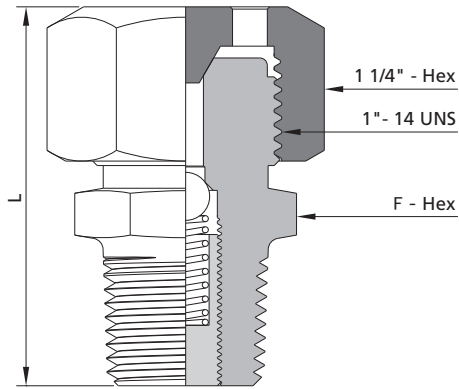
Standard Structure and Material



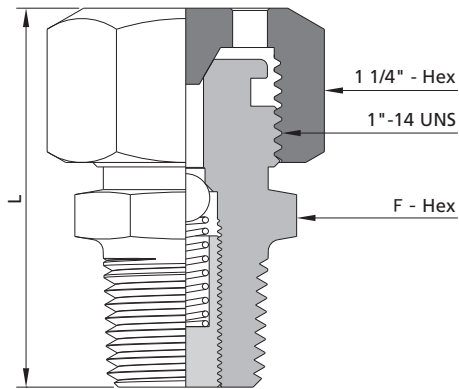
No.	Component	Material	
		Carbon Steel	316 SS
		Material Grade/ASTM Standard	
1	Vent Cap	CS (Zinc)	316 SS/A276
2	Body	CS (Zinc)	316 SS/A276
3	Ball	440C/A276	440C/A276
4	Spring	302 SS/A313	X-750/AMS 5699
5	Retainer	CS (Zinc)	316 SS/A276

Dimensions

NPT Male Thread

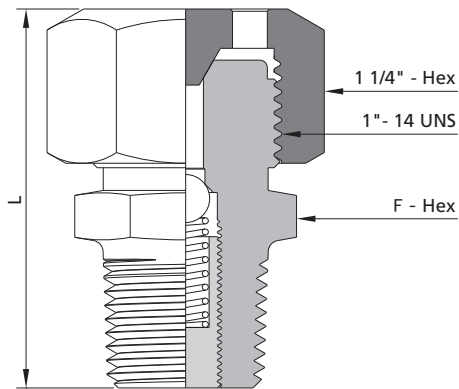


Basic Ordering Number	Connection Type and Size	Dimension, in.(mm)	
		L	F
FVCGF□□-NS4	1/4" NPT Male Thread	1.95(49.6)	1.00(25.4)
FVCGF□□-NS6	3/8" NPT Male Thread	1.95(49.6)	1.00(25.4)
FVCGF□□-NS8	1/2" NPT Male Thread	1.95(49.6)	1.00(25.4)
FVCGF□□-NS12	3/4" NPT Male Thread	1.97(50.1)	1.13(28.58)
FVCGF□□-NS16	1" NPT Male Thread	2.17(55.0)	1.31(33.34)

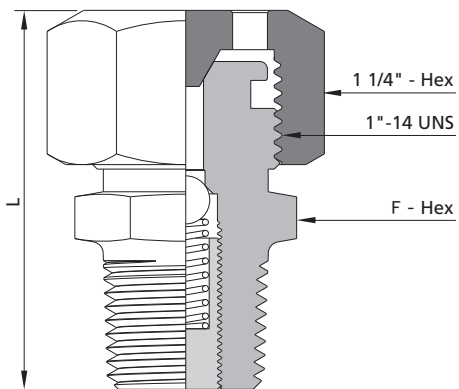


Basic Ordering Number	Connection Type and Size	Dimension, in.(mm)	
		L	F
FVCGF□□-NS4-BH	1/4" NPT Male Thread	1.95(49.6)	1.00(25.4)
FVCGF□□-NS6-BH	3/8" NPT Male Thread	1.95(49.6)	1.00(25.4)
FVCGF□□-NS8-BH	1/2" NPT Male Thread	1.95(49.6)	1.00(25.4)
FVCGF□□-NS12-BH	3/4" NPT Male Thread	1.97(50.1)	1.13(28.58)
FVCGF□□-NS16-BH	1" NPT Male Thread	2.17(55.0)	1.31(33.34)

BSPT Male Thread

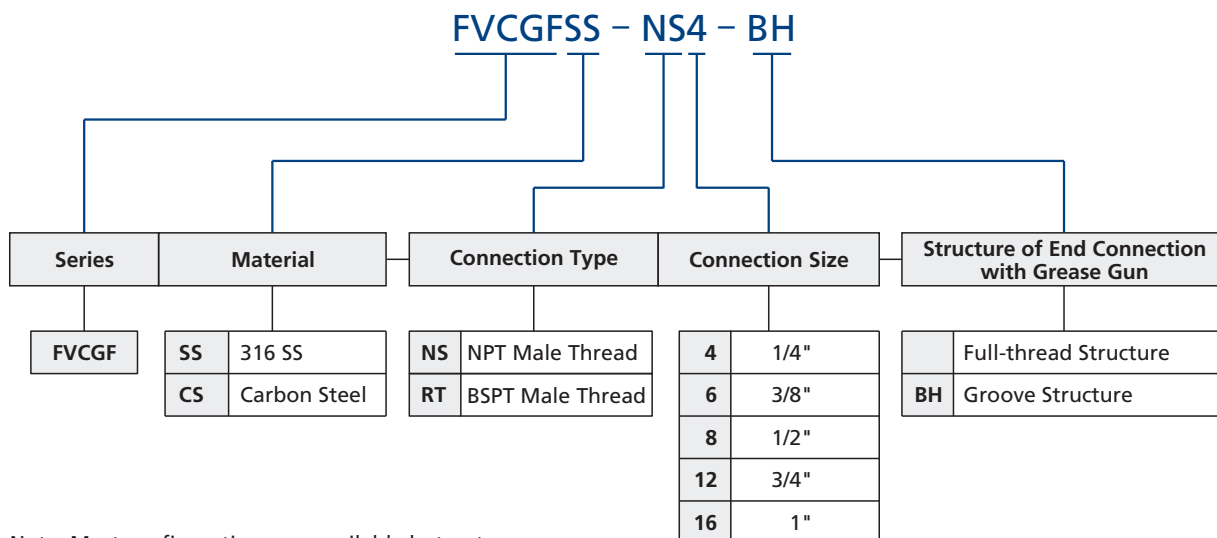


Basic Ordering Number	Connection Type and Size	Dimension, in.(mm)	
		L	F
FVCGF□□-RT4	1/4" BSPT Male Thread	1.95(49.6)	1.00(25.4)
FVCGF□□-RT6	3/8" BSPT Male Thread	1.95(49.6)	1.00(25.4)
FVCGF□□-RT8	1/2" BSPT Male Thread	1.95(49.6)	1.00(25.4)
FVCGF□□-RT12	3/4" BSPT Male Thread	1.97(50.1)	1.13(28.58)
FVCGF□□-RT16	1" BSPT Male Thread	2.17(55.0)	1.31(33.34)



Basic Ordering Number	Connection Type and Size	Dimension, in.(mm)	
		L	F
FVCGF□□-RT4-BH	1/4" BSPT Male Thread	1.95(49.6)	1.00(25.4)
FVCGF□□-RT6-BH	3/8" BSPT Male Thread	1.95(49.6)	1.00(25.4)
FVCGF□□-RT8-BH	1/2" BSPT Male Thread	1.95(49.6)	1.00(25.4)
FVCGF□□-RT12-BH	3/4" BSPT Male Thread	1.97(50.1)	1.13(28.58)
FVCGF□□-RT16-BH	1" BSPT Male Thread	2.17(55.0)	1.31(33.34)

Part Number Description

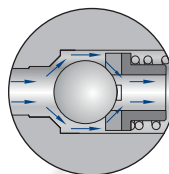
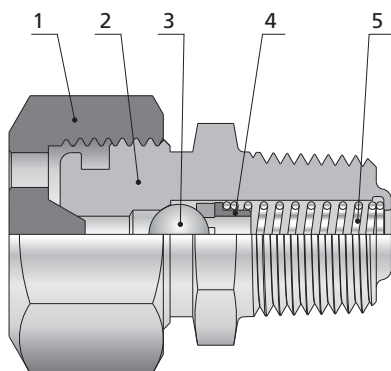


VCGF Series

Features

- ⦿ Maximum working pressure: 10,000 psig
- ⦿ Special design to enable the lubricant and sealant to flow through the ball support and the opening of the spring smoothly
- ⦿ Special curling design to secure the spring and internal parts from dropping out
- ⦿ All-metal construction, applicable in both high-temperature and low-temperature environments

Standard Structure and Material

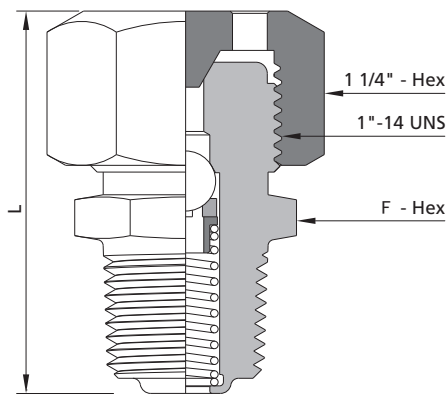


When the ball is off the seat, the lubricant or sealant shall flow through the center of the spring, without flowing through the spring coil.

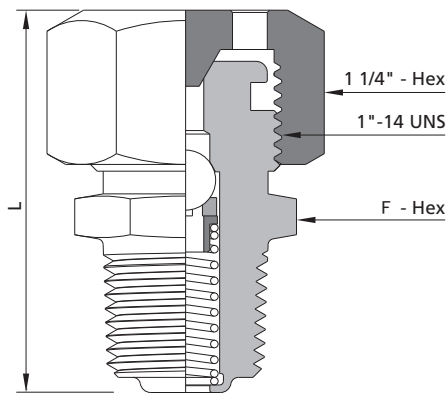
No.	Component	Material	
		Carbon Steel	316 SS
		Material Grade/ASTM Standard	
1	Cap	CS (Zinc)	316 SS/A276
2	Body	CS (Zinc)	316 SS/A276
3	Ball	440C/A276	440C/A276
4	Ball Support	CS (Zinc)	316 SS/A276
5	Spring	302 SS/A313	X-750/AMS 5699

Dimensions

NPT Male Thread

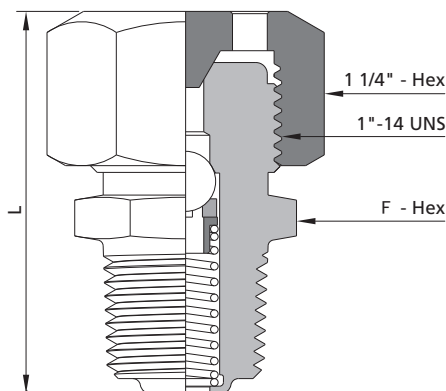


Basic Ordering Number	Connection Type and Size	Dimension, in.(mm)	
		L	F
VCGF□□-NS4	1/4" NPT Male Thread	1.91(48.6)	1.00(25.4)
VCGF□□-NS6	3/8" NPT Male Thread	1.95(49.6)	1.00(25.4)
VCGF□□-NS8	1/2" NPT Male Thread	1.97(50.1)	1.00(25.4)
VCGF□□-NS12	3/4" NPT Male Thread	1.97(50.1)	1.13(28.6)
VCGF□□-NS16	1" NPT Male Thread	1.67(55.0)	1.31(33.3)

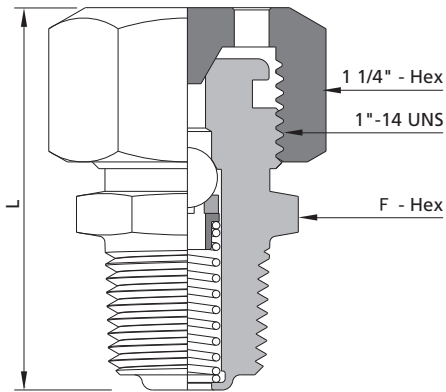


Basic Ordering Number	Connection Type and Size	Dimension, in.(mm)	
		L	F
VCGF□□-NS4-BH	1/4" NPT Male Thread	1.91(48.6)	1.00(25.4)
VCGF□□-NS6-BH	3/8" NPT Male Thread	1.95(49.6)	1.00(25.4)
VCGF□□-NS8-BH	1/2" NPT Male Thread	1.97(50.1)	1.00(25.4)
VCGF□□-NS12-BH	3/4" NPT Male Thread	1.97(50.1)	1.13(28.6)
VCGF□□-NS16-BH	1" NPT Male Thread	1.67(55.0)	1.31(33.3)

BSPT Male Thread

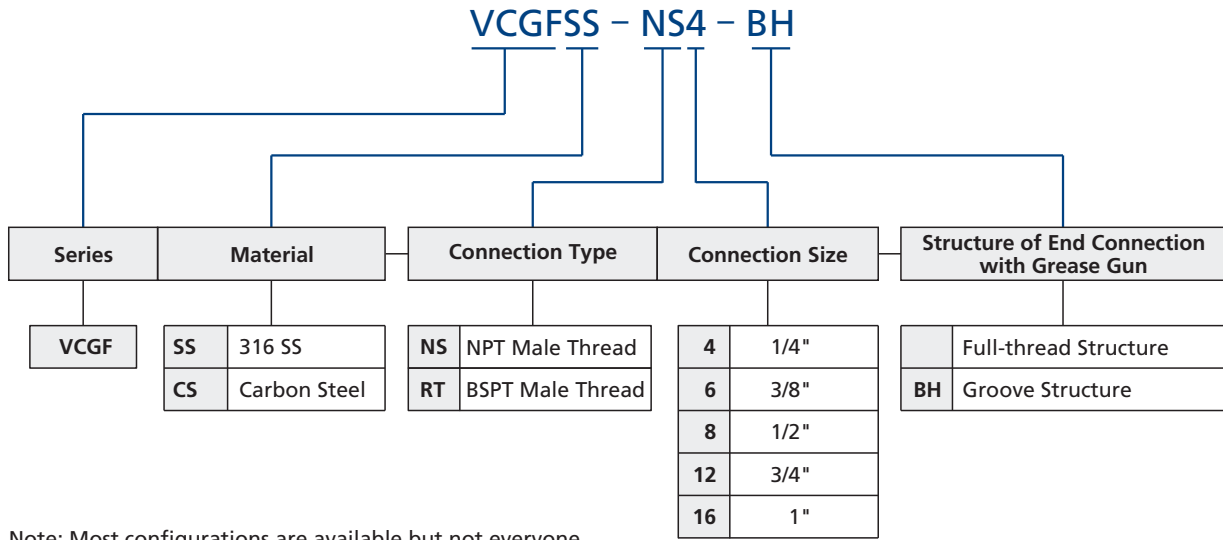


Basic Ordering Number	Connection Type and Size	Dimension, in.(mm)	
		L	F
VCGF□□-RT4	1/4" BSPT Male Thread	1.91(48.6)	1.00(25.4)
VCGF□□-RT6	3/8" BSPT Male Thread	1.95(49.6)	1.00(25.4)
VCGF□□-RT8	1/2" BSPT Male Thread	1.97(50.1)	1.00(25.4)
VCGF□□-RT12	3/4" BSPT Male Thread	1.97(50.1)	1.13(28.6)
VCGF□□-RT16	1" BSPT Male Thread	1.67(55.0)	1.31(33.3)



Basic Ordering Number	Connection Type and Size	Dimension, in.(mm)	
		L	F
VCGF□□-RT4-BH	1/4" BSPT Male Thread	1.91(48.6)	1.00(25.4)
VCGF□□-RT6-BH	3/8" BSPT Male Thread	1.95(49.6)	1.00(25.4)
VCGF□□-RT8-BH	1/2" BSPT Male Thread	1.97(50.1)	1.00(25.4)
VCGF□□-RT12-BH	3/4" BSPT Male Thread	1.97(50.1)	1.13(28.6)
VCGF□□-RT16-BH	1" BSPT Male Thread	1.67(55.0)	1.31(33.3)

Part Number Description



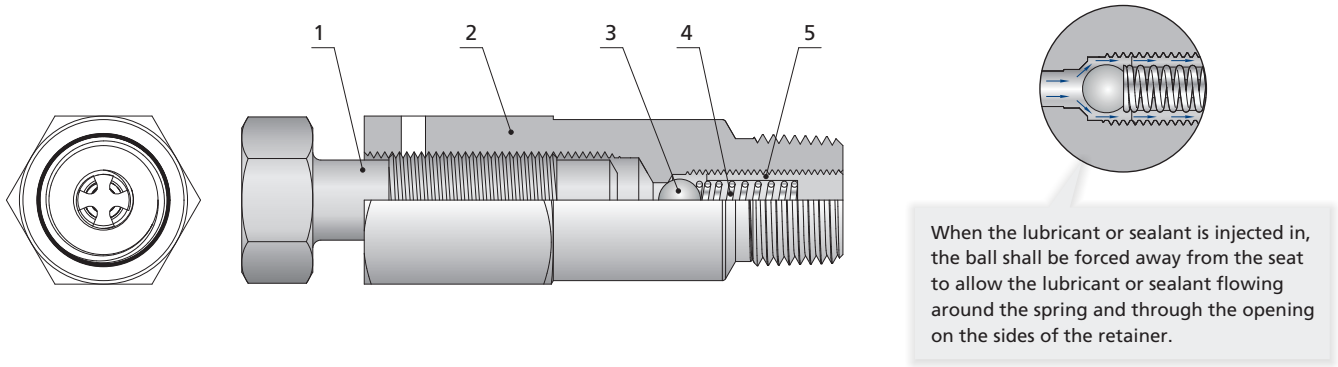
Note: Most configurations are available but not everyone.

FPIF Series

Features

- ◎ Maximum working pressure: 10,000 psig (690 bar)
- ◎ Special design to enable lubricant or sealant to flow in around the spring smoothly
- ◎ All-metal construction, applicable in both high and low temperature environments

Standard Structure and Material

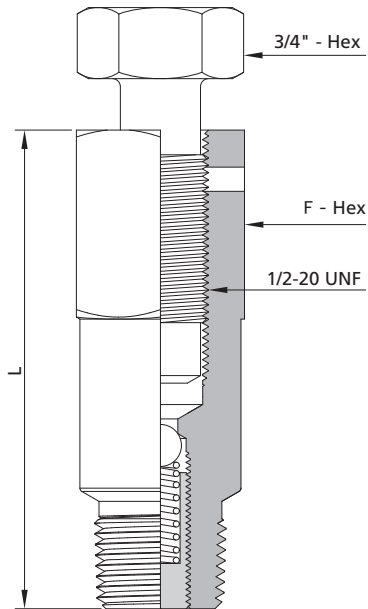


When the lubricant or sealant is injected in, the ball shall be forced away from the seat to allow the lubricant or sealant flowing around the spring and through the opening on the sides of the retainer.

No.	Component	Material	
		Carbon Steel	316 SS
		Material Grade/ASTM Standard	
1	Screw	CS (QPQ Processed+Zinc)	316 SS/A276 (QPQ Processed)
2	Body	CS (Zinc)	316 SS/A276
3	Ball	440C/A276	440C/A276
4	Spring	302 SS/A313	X-750/AMS 5699
5	Retainer	CS (Zinc)	316 SS/A276

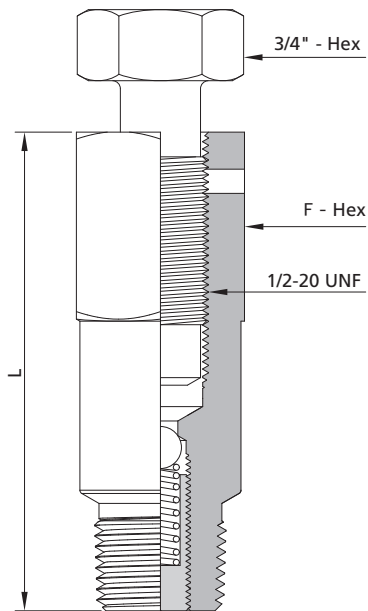
Dimensions

NPT Male Thread



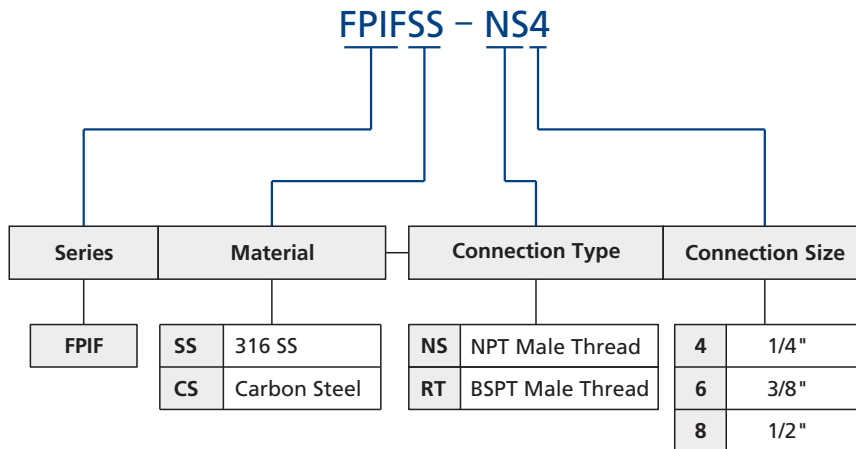
Basic Ordering Number	Connection Type and Size	Dimension, in.(mm)	
		L	F
FPIF□□-NS4	1/4" NPT Male Thread	2.49(63.3)	0.88(22.23)
FPIF□□-NS6	3/8" NPT Male Thread	2.49(63.3)	0.88(22.23)
FPIF□□-NS8	1/2" NPT Male Thread	2.49(63.3)	0.88(22.23)

BSPT Male Thread



Basic Ordering Number	Connection Type and Size	Dimension, in.(mm)	
		L	F
FPIF□□-RT4	1/4" BSPT Male Thread	2.49(63.3)	0.88(22.23)
FPIF□□-RT6	3/8" BSPT Male Thread	2.49(63.3)	0.88(22.23)
FPIF□□-RT8	1/2" BSPT Male Thread	2.49(63.3)	0.88(22.23)

Part Number Description



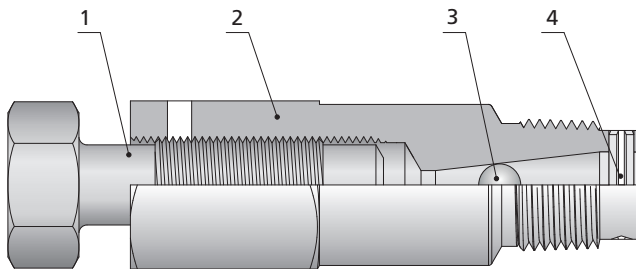
Note: Most configurations are available but not everyone.

PIF Series

Features

- ◎ Maximum working pressure: 10,000 psig
- ◎ All-metal construction, applicable in both high-temperature and low-temperature environments

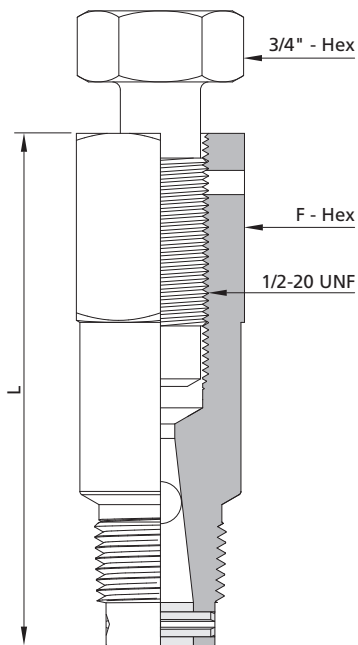
Standard Structure and Material



No.	Component	Material	
		Carbon Steel	316 SS
		Material Grade/ASTM Standard	
1	Screw	CS (QPQ Processed+Zinc)	316 SS/A276 (QPQ Processed)
2	Body	CS (Zinc)	316 SS/A276
3	Ball	440C/A276	440C/A276
4	Spring Round Pin	Stainless Steel	Stainless Steel

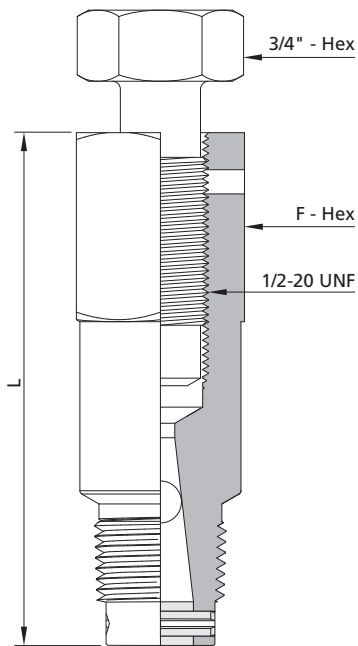
Dimensions

NPT Male Thread



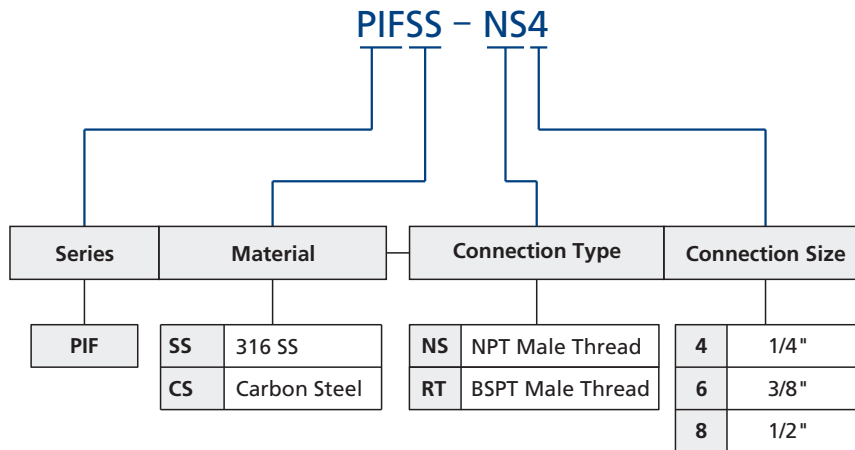
Basic Ordering Number	Connection Type and Size	Dimension, in.(mm)	
		L	F
PIF□□-NS4	1/4" NPT Male Thread	2.34(59.5)	0.86(22.23)
PIF□□-NS6	3/8" NPT Male Thread	2.43(61.8)	0.86(22.23)
PIF□□-NS8	1/2" NPT Male Thread	2.35(59.8)	0.86(22.23)

BSPT Male Thread



Basic Ordering Number	Connection Type and Size	Dimension, in.(mm)	
		L	F
PIF□□-RT4	1/4" BSPT Male Thread	2.34(59.5)	0.86(22.23)
PIF□□-RT6	3/8" BSPT Male Thread	2.43(61.8)	0.86(22.23)
PIF□□-RT8	1/2" BSPT Male Thread	2.35(59.8)	0.86(22.23)

Part Number Description



Note: Most configurations are available but not everyone.

Bleed Fittings

Application

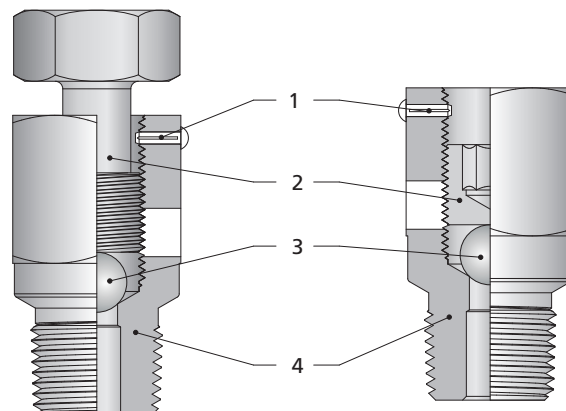
Installed onto the valve seat to vent the small amount of gas and pollutant in the valve.

BVF Series

Features

- ⦿ Maximum working pressure: 10,000 psig (690 bar)
- ⦿ All-metal construction, applicable in both high and low temperature environments

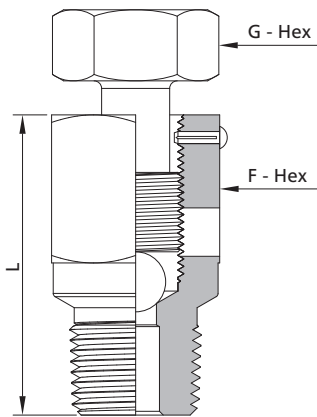
Standard Structure and Material



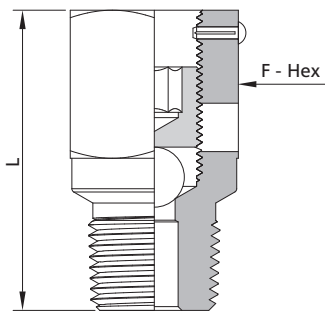
No.	Component	Material	
		Carbon Steel	316 SS
		Material Grade/ASTM Standard	
1	Round Head Grooved Pin	316 SS/A276	316 SS/A276
2	Screw	CS (Zinc)	316 SS/A276
3	Ball	440C/A276	440C/A276
4	Body	CS (Zinc)	316 SS/A276

Dimensions

NPT Male Thread

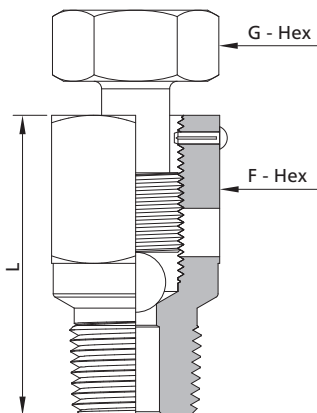


Basic Ordering Number	Connection Type and Size	Dimension, in.(mm)		
		L	F	G
BVF□□-NS4	1/4" NPT Male Thread	1.63(41.3)	0.88(22.23)	0.75(19.05)
BVF□□-NS6	3/8" NPT Male Thread	1.56(39.7)	0.88(22.23)	0.75(19.05)
BVF□□-NS8	1/2" NPT Male Thread	1.50(38.1)	0.88(22.23)	0.75(19.05)
BVF□□-NS12	3/4" NPT Male Thread	1.63(41.3)	1.13(28.58)	0.75(19.05)
BVF□□-NS16	1" NPT Male Thread	2.19(55.6)	1.31(33.34)	0.81(20.64)
BVF□□-NS20	1 1/4" NPT Male Thread	2.31(58.7)	1.75(44.45)	0.88(22.23)
BVF□□-NS24	1 1/2" NPT Male Thread	2.63(66.7)	2.00(50.8)	0.88(22.23)

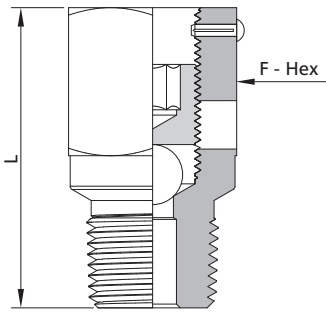


Basic Ordering Number	Connection Type and Size	Dimension	
		L	F
BVF□□-NS4-SH	1/4" NPT Male Thread	1.63(41.3)	0.88(22.23)
BVF□□-NS6-SH	3/8" NPT Male Thread	1.56(39.7)	0.88(22.23)
BVF□□-NS8-SH	1/2" NPT Male Thread	1.50(38.1)	0.88(22.23)
BVF□□-NS12-SH	3/4" NPT Male Thread	1.63(41.3)	1.13(28.58)

BSPT Male Thread

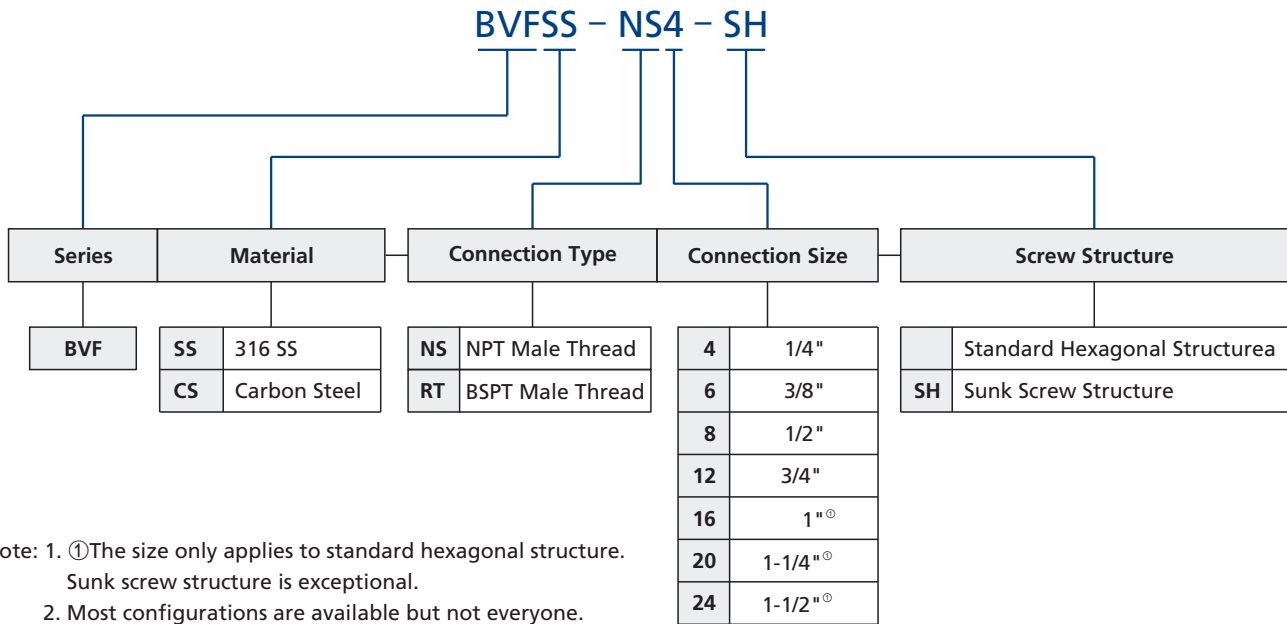


Basic Ordering Number	Connection Type and Size	Dimension, in.(mm)		
		L	F	G
BVF□□-RT4	1/4" BSPT Male Thread	1.63(41.3)	0.88(22.23)	0.75(19.05)
BVF□□-RT6	3/8" BSPT Male Thread	1.56(39.7)	0.88(22.23)	0.75(19.05)
BVF□□-RT8	1/2" BSPT Male Thread	1.50(38.1)	0.88(22.23)	0.75(19.05)
BVF□□-RT12	3/4" BSPT Male Thread	1.63(41.3)	1.13(28.58)	0.75(19.05)
BVF□□-RT16	1" BSPT Male Thread	2.19(55.6)	1.31(33.34)	0.81(20.64)
BVF□□-RT20	1 1/4" BSPT Male Thread	2.31(58.7)	1.75(44.45)	0.88(22.23)
BVF□□-RT24	1 1/2" BSPT Male Thread	2.63(66.7)	2.00(50.8)	0.88(22.23)



Basic Ordering Number	Connection Type and Size	Dimension	
		L	F
BVF□□-RT4-SH	1/4" BSPT Male Thread	1.63(41.3)	0.88(22.23)
BVF□□-RT6-SH	3/8" BSPT Male Thread	1.56(39.7)	0.88(22.23)
BVF□□-RT8-SH	1/2" BSPT Male Thread	1.50(38.1)	0.88(22.23)
BVF□□-RT12-SH	3/4" BSPT Male Thread	1.63(41.3)	1.13(28.58)

Part Number Description



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