

## LF Series

Industrial Gas application



Danfoss Hansen LF series is a specific coupling made for industrial applications using SF<sub>6</sub> gas. Its design allows a perfect sealing over several decades and an extremely limited permeation of media into the atmosphere during connection and disconnection, in order to limit global warming. The coupling has a dual O-ring design and dust caps ensuring tight sealing while it is disconnected

### Product Features

- Low gas permeation reduces environmental impact
- Connectable under pressure up to 10 bar
- No leakage under Vacuum
- Easy connection and disconnection
- Standard body material: Brass and aluminum
- Standard seal material: EPDM

### Physical Characteristics

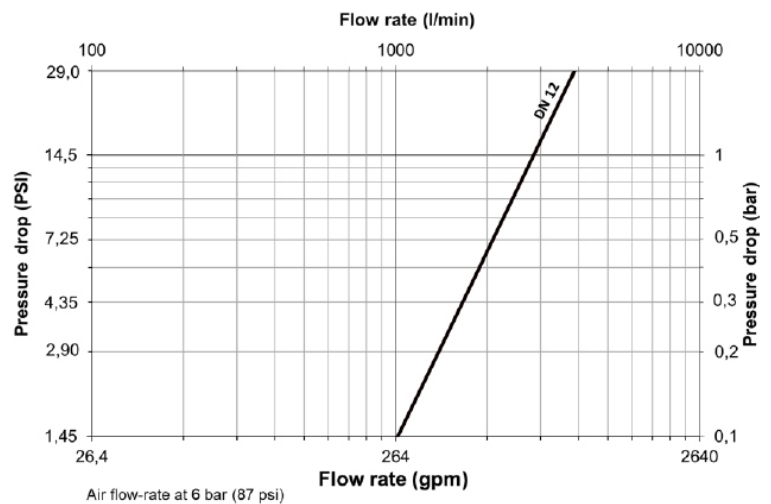
Body Size	Max operating Pressure		Nominal Flow Diameter	Plug part number	Socket part number	Fluid loss	Air inclusion
(in)	(bar)	(psi)	(mm)			(g)*	(ml)
DN12	15	218	10,2	12LFPS11	12LFSS15	0,02	0,003

\*Gas SF<sub>6</sub>

### Applications & Markets

- Industrial application with use of SF<sub>6</sub> gas

### Flow Data



## LF Series

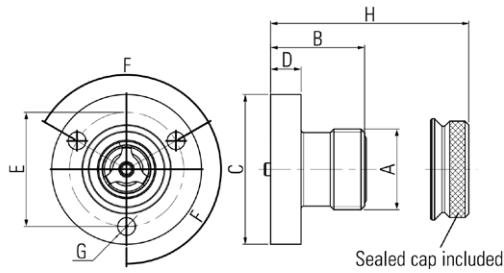


Figure 1

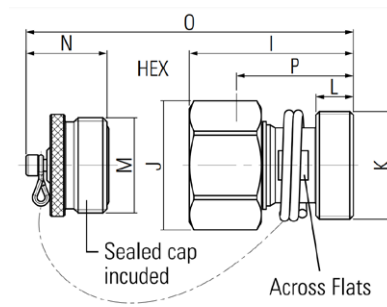


Figure 2

### Dimensions

Part number	Fig.	Body Size	Nominal Flow Diameter	Dimensions								Weight	
				A in (mm)	B in (mm)	C in (mm)	D in (mm)	E in (mm)	F (°)	G in (mm)	H in (mm)	lbs	grams
12LFPS11	1	DN 12	10.5	1.260 (M 32 x 2.0)	1.457 (37)	2.32 (59)	0.470 12	1.770 (45)	120°	0.276 (7)	1.594 (40.5)	0.291	132

Part number	Fig.	Body Size	Nominal Flow Diameter	Dimensions									Weight	
				I in (mm)	J in (mm)	Hex in (mm)	K in (mm)	L in (mm)	M in (mm)	N in (mm)	O in (mm)	P in (mm)	lbs	grams
12LFSS14	2	DN 12	10.5	2.126 (54)	1.693 (43)	1.496 (38)	1.417 (M 36 x 2.0)	0.492 (12.5)	1.260 (M 32 x 2.0)	1.024 (26)	2.677 (68)	1.654 (42)	0.816	370