



THERMOCOUPLE

### Specifications

#### Materials

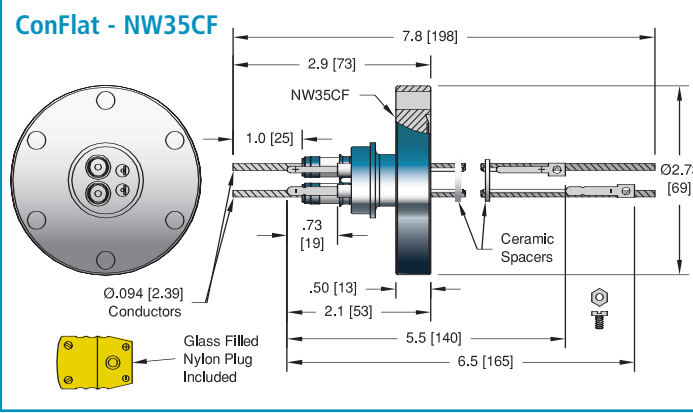
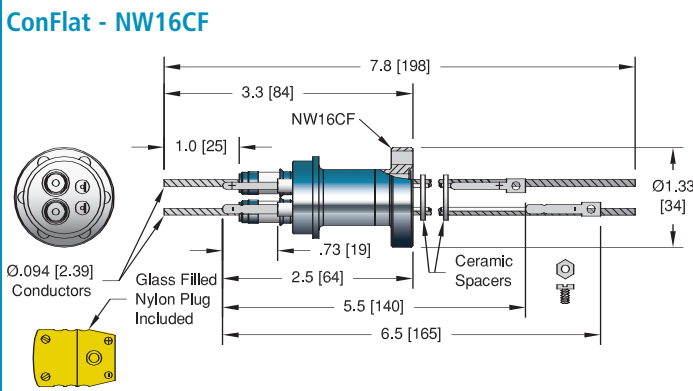
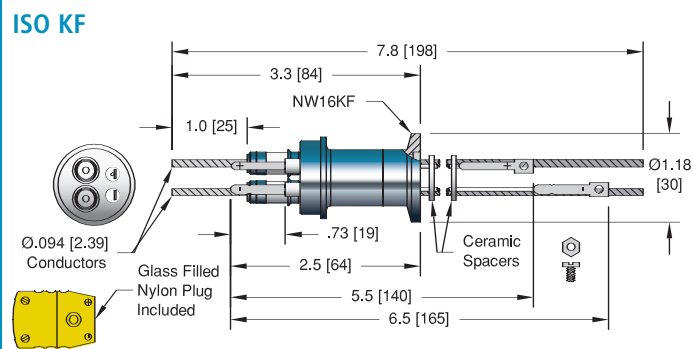
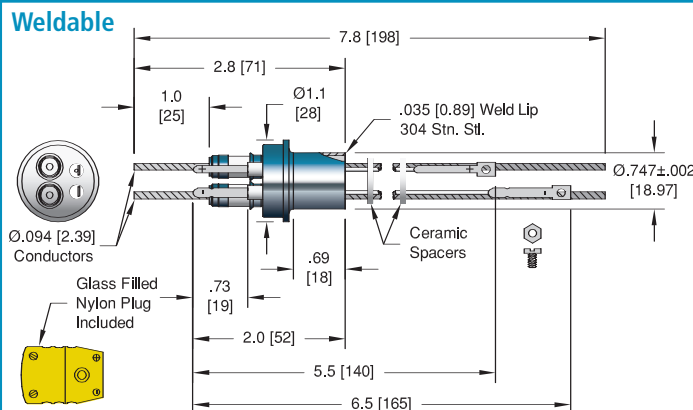
- Shell: 304 Stainless steel
- Thermocouple materials:
  - Chromel/Alumel (Type K)
  - Tungsten-Rhenium (Type C)
- Pins: Nickel or Copper
- Insulation: Alumina ceramic
- Magnetic Materials: Yes

**Voltage Rating** 5 kV DC

**Current Rating** See table

**Temperature Range** -269°C to 450°C

**Pressure @ 20°C** 500 PSIG (34 Bar), ISO KF 0 PSIG





**Weldable**

ANSI TYPE	THERMOCOUPLE MATERIALS	INSTALLATION	CONDUCTOR AMPS	CONDUCTOR MATERIAL	PART NUMBER
K	Chromel/Alumel	Weld	16.5	Nickel	3181-02-W
K	Chromel/Alumel	Weld	55	Copper	3181-01-W
C	Tungsten-Rhenium**	Weld	16.5	Nickel	0572-02-W
C	Tungsten-Rhenium**	Weld	55	Copper	0572-01-W

**ISO KF**

**ISO FLANGE**

K	Chromel/Alumel	NW16KF	16.5	Nickel	18007-01-KF
K	Chromel/Alumel	NW16KF	55	Copper	18007-02-KF
C	Tungsten-Rhenium**	NW16KF	16.5	Nickel	18007-05-KF
C	Tungsten-Rhenium**	NW16KF	55	Copper	18007-06-KF

**ConFlat**

**CONFLAT FLANGE**

K	Chromel/Alumel	1 1/3" (NW16KF)	16.5	Nickel	8878-07-CF
K	Chromel/Alumel	1 1/3" (NW16KF)	55	Copper	8878-01-CF
C	Tungsten-Rhenium**	1 1/3" (NW16KF)	16.5	Nickel	8878-06-CF
C	Tungsten-Rhenium**	1 1/3" (NW16KF)	55	Copper	8878-02-CF
K	Chromel/Alumel	2 3/4" (NW35CF)	16.5	Nickel	10586-06-CF
K	Chromel/Alumel	2 3/4" (NW35CF)	55	Copper	10586-01-CF
C	Tungsten-Rhenium**	2 3/4" (NW35CF)	16.5	Nickel	10586-08-CF
C	Tungsten-Rhenium**	2 3/4" (NW35CF)	55	Copper	10586-02-CF

**Air Side Plug**

ANSI TYPE	THERMOCOUPLE MATERIALS	TYPE	MATERIALS	TEMPERATURE °C MIN	TEMPERATURE °C MAX	COLOR CODE	PART NUMBER
K	Chromel/Alumel	Standard	Glass Filled Nylon	-29	218	Yellow	08151-01
K	Chromel/Alumel	High Temp	Ceramic	-73	650	Yellow	08151-09
C	Tungsten-Rhenium**	Standard	Glass Filled Nylon	-29	218	Red	08151-04
C	Tungsten-Rhenium**	High Temp	Ceramic	-73	250	Red	08151-07

**Contacts**

TYPE	MATERIAL	DESCRIPTION	PART NUMBER
0.094 Set Screw Type Contacts	Beryllium Copper	Accepts wire up to 0.050 [1.3]	7429-01-A†
0.094 Barrel Type Contacts	Beryllium Copper	Accepts wire up to 0.094 [2.4]	7332-04-A

\*Contacts priced and sold in packages of 10. \*\*Uses compensating wire. Maximum junction temperature 250° C. †Shown in photo. See the Accessories section for more information on all accessories.

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