

**PLEASE FILL IN CONTACT INFO**

Your Name

Your Company Name

Phone

Fax

E-Mail

Quantity Required

**Apex Vacuum  
Custom Vacuum Feedthrough Ordering Data  
Fax To 800-331-2808 For Quotation**

**Apex Use Only**

Part Number: \_\_\_\_\_

Cost Each: \_\_\_\_\_

ALL FEEDTHRUS ARE CUSTOM MADE  
AND NON-RETURNABLE  
CONSULT FACTORY FOR CURRENT  
LEAD TIMES

**TYPE OF FITTING**

**MALE NPT**

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

**MALE UNF,SAE,AN,MS (O-RING)**

- 4 - #4 (7/16-20 THREAD)
- 5 - #5 (1/2-20 THREAD)
- 6 - #6 (9/16-18 THREAD)
- 8 - #8 (3/4-16 THREAD)
- 10 - #10 (7/8-14 THREAD)
- 12 - #12 (1-1/16-12 THREAD)

**ISO, NW, KF, QF, DN**

- 16
- 25
- 40
- 50

**WIRE GAUGE**

(stocked)

**Thermocouple**

24 - 24 gauge (0.0200")

**Copper**

28 gauge (0.0126")  
through  
12 gauge (0.0808")

Choose the proper gauge wire for  
your application. Follow the local,  
county and federal wiring codes.

**STANDARD TEMPERATURE RANGE:  
-40°F THROUGH 200°F**

CONSULT FACTORY FOR FEEDTHROUGHS  
OUTSIDE THIS TEMPERATURE RANGE

**WIRE LENGTH OUTSIDE  
THE VACUUM (atmosphere)  
(in inches)**

Maximum wire length is 120" (10')

**PRODUCT**

**WFT - Wired FeedThrough**

**WFT**

**QUANTITY**

**N - Number of Conductors**

(1 pair = 2 conductors)

Indicate **TOTAL** number of conductors

**WIRE TYPE**

- CS** - Copper Stranded
- CC** - Copper Buss
- TX** - Copper / Constantan
- KX** - Chromel / Alumel
- JX** - Iron / Constantan
- EX** - Chromel / Constantan

Choose the proper wire type for your  
application. Refer to the manufacturer's  
instruction sheets for all electronic and  
temperature thermocouples.

**WIRE LENGTH INSIDE  
THE VACUUM  
(in inches)**

Maximum wire length is 120" (10')

**Apex Vacuum**

**222 Riverstone Drive, Canton,GA 30114**

**PHONE:800-331-2808 FAX: 770-479-7158**

**www.apexvacuum.com**

# Apex Vacuum

## Custom Vacuum Feedthrough – ORDERING DATA

MAXIMUM NUMBER OF WIRES								
NPT FITTING	26 Wire Gauge	24 Wire Gauge	22 Wire Gauge	20 Wire Gauge	18 Wire Gauge	16 Wire Gauge	14 Wire Gauge	12 Wire Gauge
1/8" NPT	4	4	4	3	1	--	--	--
1/4" NPT	6	6	4	3	1	1	--	--
3/8" NPT	8	8	8	3	3	1	1	--
1/2" NPT	24	24	16	16	8	8	3	3
3/4" NPT	26	26	16	16	16	8	4	3
1" NPT	50	50	32	24	24	16	8	4
MAXIMUM NUMBER OF WIRES								
NW Flanged Fitting	26 Wire Gauge	24 Wire Gauge	22 Wire Gauge	20 Wire Gauge	18 Wire Gauge	16 Wire Gauge	14 Wire Gauge	12 Wire Gauge
NW16	8	8	4	4	3	1	1	1
NW25	24	24	16	16	8	8	4	3
NW40	50	50	32	32	20	18	16	8
NW50	96	96	88	80	64	56	40	32
MAXIMUM NUMBER OF WIRES								
Facial "O" Ring	26 Wire Gauge	24 Wire Gauge	22 Wire Gauge	20 Wire Gauge	18 Wire Gauge	16 Wire Gauge	14 Wire Gauge	12 Wire Gauge
#4	4	4	3	1	--	--	--	--
#5	8	8	5	5	3	2	--	--
#6	8	8	5	5	3	1	--	--
#8	16	16	16	8	8	8	--	--
#10	24	24	16	8	8	8	3	1
#12	32	32	32	16	16	8	4	3

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