

ELEMENT SELECTION MATRIX

How to Order

Elements are specified by a single matrix number which can be 9 to 15 digits long. The basic unit requires the first nine digits; the adders such as of sleeves, stuffing boxes and coatings are called out in the remaining six boxes. If none of the adders are required, leave the boxes blank. However, if only one or two of these items is required, fill in the unused boxes with zeros.

For pricing see Form 3028, Mechanical Price Book, page 2 and 3.

A - Operating Range

Select the three digit code number representing the temperature range and insert the number in the first three boxes of the ordering matrix.

B - Head Assembly

In selecting the two digit number for head assembly operating temperature, be sure to note the high and low ambient choices. The hollow L-Type plunger is for all non indicating, indicating and recording instruments, except O and N model instruments, which take the solid B Type plunger. Mechanical gas valves require the spring loaded M Type plunger.

C - Capillary Length

Next select capillary length

D - Optional Bulb Sizes

Note the order code used when Teflon® or Geon® coating is specified.

E, F, G

When Sleeves, Stuffing Boxes and/or Coatings are required, continue with E, F, and G.

(A) OPERATING RANGE AND MATERIAL

List price includes 5' capillary

Temperature Range		Element Material	Order Code
F	C		
120 to 220	50 to 105	Stainless	099
60 to 180	15 to 80	Stainless	096
30 to 160	0 to 70	Stainless	093
30 to 180	0 to 80	Stainless	095
30 to 230	0 to 110	Stainless	100
0 to 700	-25 to 375	Stainless	110
0 to 900	-25 to 475	Stainless	112
0 to 1100	-25 to 600	Stainless	114
0 to 350	20 to 180	Stainless	103
0 to 450	-20 to 230	Stainless	105
0 to 550	-20 to 290	Stainless	107
20 to 120	-5 to 50	Stainless	091
-30 to 170	-35 to 75	Stainless	094
50 to 250	10 to 120	Stainless	101
100 to 350	40 to 175	Stainless	104
100 to 450	40 to 230	Stainless	106
100 to 550	40 to 290	Stainless	108
100 to 650	40 to 340	Stainless	109
100 to 800	40 to 425	Stainless	111
100 to 1000	40 to 540	Stainless	113
100 to 1100	40 to 600	Stainless	115

(B) HEAD ASSEMBLY

High Ambient Temperature 32° to 150°F	
Plunger Type	Order Code
L	51
B	53
M	55
Low Ambient Temperature -30° to 125°F	
Plunger Type	Order Code
L	52
B	54
M	56

(C) CAPILLARY LENGTH

Length (feet)	Order Code
1	01
2	02
3	03
4	04
5	05
7	07
10	10
12	12
15	15
20	20
25	25
30	30
35	35
40	40
50	50
60	52
70	54
80	56
90	58
100	60
110	62
120	64

(D) OPTIONAL BULB SIZES

Bulb Type	O.D. (")	Gauge	Range Code	Range Code	Range Code	Range Code	Range Code	Range Code	Range Code	Range Code	Range Code	Range Code	Range Code	Order Code		
			093	095	096	099	100	103	105	107	110	112	114	For Sleeve	No Sleeve	
U	.137	.095"	192.27	N/A	N/A	N/A	124.76	72.18	57.42	47.40	37.05	29.34	24.21	N/A	15	
Y*	3/16	21	114.41	N/A	124.54	146.80	74.00	42.78	33.87	27.97	21.87	17.29	14.23	N/A	16	
P	1/4	20	N/A	N/A	N/A	N/A	N/A	20.58	16.37	3.57	10.77	8.59	7.19	40	17	
	5/16	18	N/A	N/A	N/A	N/A	24.94	14.63	11.69	9.70	7.67	6.16	5.15	41	18	
	3/8	9/32"	22.55	N/A	N/A	N/A	28.72	14.77	8.84	7.13	5.99	4.83	3.69	3.36	43	20
	7/16	18	N/A	N/A	N/A	N/A	20.11	10.53	6.45	5.26	4.48	3.68	N/A	N/A	45	22
	1/2	18	11.54	N/A	12.49	14.55	7.74	4.83	4.00	3.44	N/A	2.44	2.16	46	23	
	9/16	17	N/A	N/A	N/A	12.03	6.55	4.20	3.51	3.06	N/A	2.25	2.02	47	24	
	5/8	17	7.68	6.79	8.26	9.57	5.36	3.55	3.03	2.68	2.33	2.06	N/A	48	25	
	3/4	16	N/A	5.64	6.02	6.90	4.05	2.84	2.49	2.26	N/A	N/A	N/A	50	27	

* If Teflon or Geon coating is specified for Y-Bulb, use Order Code 51.

