

Drippan Drip Pan Elbows:



Overview

The use of a drip pan elbow is highly recommended for steam service safety valves.

When attached to a safety valve outlet, these elbows collect and remove condensate as well as isolate the valve from discharge piping stresses. Elbows through 4" feature female NPT threads and connect to the valve outlet by means of a close nipple. The 6" and 8" elbows have integral 125# ANSI B16.1 flanges and bolt directly to the valve outlet.

Sizes 3/4" through 8", flanged and threaded models

Material: Gray iron ASTM A126 class B

Finish: Black phosphate or black paint coating

Features

- Sizes 3/4" through 8" available from stock
- Ideal flow characteristics
- Directs condensate to drain
- Isolates safety valve from piping stresses caused by:
 - weight of discharge piping
 - thermal expansion
 - reaction forces during valve discharge

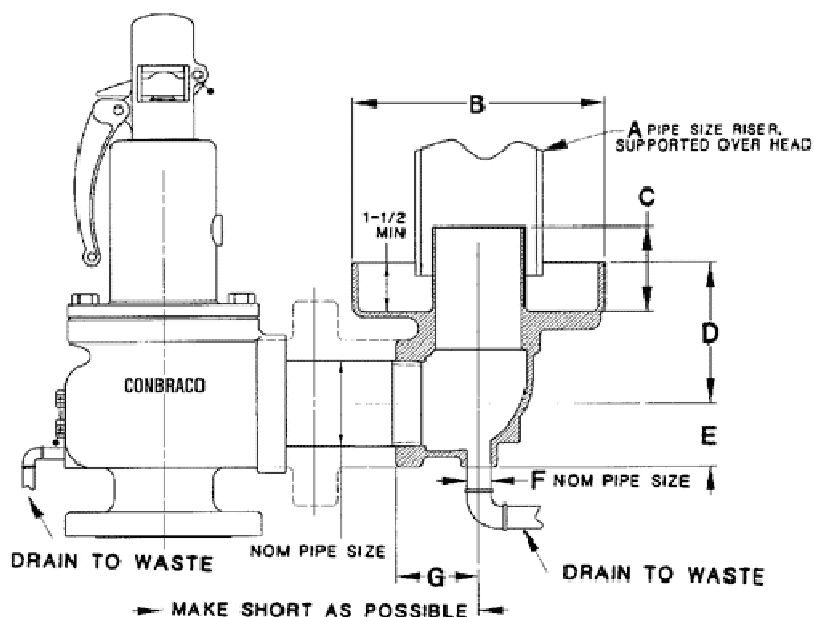
Installation

Sizes 3/4" through 4" feature FNPT connections and connect directly to the valve outlet by means of a short pipe nipple, or with an appropriate companion flange and nipple for flanged outlet connections. Sizes 6" and 8" have integral cast ANSI 125# flanges that bolt directly to the valve outlet.

Ordering Instructions

Select the drip pan to match the nominal outlet size of the safety valve. Specify part number and quantity.

Dimensions



Model Number	Size (in) NPS/DN in./mm	A NPS/DN in./mm	B in./mm	C in./mm	D in./mm	E in./mm	F NPS/DN in./mm	G in./mm	Wt Each lbs/kg
Q-5740-00	0.750 19.050	1.5	3.750 95.250	1.630 41.402	2.250 57.150	1.000 25.400	0.250 6.350	1.500 38.100	2.000 0.907
Q-5739-00	1.000 25.400	1.5	3.750 95.250	1.630 41.402	2.250 57.150	1.000 25.400	0.250 6.350	1.500 38.100	2.000 0.907
Q-5736-00	1.250 31.750	2	5.500 139.700	2.130 54.102	3.380 85.852	1.500 38.100	0.375 9.525	2.130 54.102	5.000 2.268
Q-5737-00	1.500 38.100	2	5.500 139.700	2.130 54.102	3.380 85.852	1.500 38.100	0.375 9.525	2.130 54.102	5.000 2.268
Q-5734-00	2.000 50.800	3	6.250 158.750	2.250 57.150	3.630 92.202	1.630 41.402	0.500 12.700	2.250 57.150	7.000 3.175
N-4098-00	2.500 63.500	4	7.380 187.452	3.000 76.200	4.380 111.252	1.880 47.752	0.750 19.050	2.750 69.850	11.000 4.990
N-4100-00	3.000 76.200	4	8.000 203.200	3.500 88.900	4.880 123.952	2.130 54.102	0.750 19.050	3.130 79.502	17.000 7.711
N-4102-00	4.000 101.600	6	9.630 244.602	4.500 114.300	5.750 146.050	2.630 66.802	0.750 19.050	3.750 95.250	30.000 13.608
N-4104-00	6.000 152.400	8	12.750 323.850	6.630 168.402	7.630 193.802	3.000 76.200	0.750 19.050	8.000 203.200	84.000 38.102
N-4106-00	8.000 203.200	10	16.500 419.100	7.500 190.500	8.630 219.202	4.130 104.902	1.000 25.400	10.750 273.050	151.000 68.492

Note: Ordering size of drip pan elbow is also nominal outlet size of safety valve.

Pressure Relief Valve Selection Chart

Model	Material Body / Trim	Inlet Sizes Min / Max, in.	Inlet Sizes Min / Max, mm.	Connections NPT Flanged	CE/PED Available	Set Pressures Min / Max, PSIG	Set Pressures Min / Max, barg	Temperature Max, °F	Temperature Max, °C
ASME Section I - Steam Power Boilers									
19M	Bronze / Brass	1/2 - 2 1/2	DN 15 - 65	X	X	15 - 250	1.0 - 17.2	406°F	207.7°C
19K	Bronze / Brass	1/2 - 2 1/2	DN 15 - 65	X	X	15 - 250	1.0 - 17.2	406°F	207.7°C
19L	Bronze / Stainless	1/2 - 2 1/2	DN 15 - 65	X	X	15 - 250	1.0 - 17.2	406°F	207.7°C
19S	Bronze / Stainless	1/2 - 2 1/2	DN 15 - 65	X	X	15 - 300	1.0 - 20.7	422°F	216.7°C
29	Bronze / Brass	3/8 - 1 1/4	DN 10 - 32	X	X	30 - 200	2.0 - 13.8	406°F	207.7°C
119	Cast Iron / Stainless	1-1/2 - 6	DN 40 - 150	X X	X	15 - 250	1.0 - 17.2	450°F	232.2°C
ASME Section IV - Low Pressure Steam Heating Boilers									
12	Bronze / Brass	2 - 3	DN 50 - 80	X		5 - 15	0.34 - 1.0	250°F	121.1°C
13-101	Bronze / Brass	3/4	DN 20	X		5 - 15	0.34 - 1.0	250°F	121.1°C
13-202	Bronze / Brass	1	DN 25	X		5 - 15	0.34 - 1.0	250°F	121.1°C
13-211	Bronze / Brass	3/4	DN 20	X		5 - 15	0.34 - 1.0	250°F	121.1°C
13-213	Bronze / Brass	1-1/4	DN 32	X		5 - 15	0.34 - 1.0	250°F	121.1°C
13-214	Bronze / Brass	1-1/2	DN 40	X		5 - 15	0.34 - 1.0	250°F	121.1°C
13-510	Bronze / Brass	3/4	DN 20	X		5 - 15	0.34 - 1.0	250°F	121.1°C
14-200	Bronze / Brass	2 - 3	DN 50 - 80	X		5 - 15	0.34 - 1.0	250°F	121.1°C
ASME Section IV - Hot Water Heating & Supply Boilers									
10-100	Bronze / Brass	3/4	DN 20	X		20 - 65	1.4 - 4.5	250°F	121.1°C
10-300	Bronze / Brass	3/4	DN 20	X		20 - 65	1.4 - 4.5	250°F	121.1°C
10-400	Bronze / Brass	3/4	DN 20	X		30	2.0	250°F	121.1°C
10-410	Bronze / Brass	3/4	DN 20	X		20 - 80	1.4 - 5.5	250°F	121.1°C
10-600, 10-610	Bronze / Brass	3/4 - 2	DN 20 - 50	X	X	15 - 160	1.0 - 11.0	250°F	121.1°C
10-624, 10-634	Bronze / Brass	3/4	DN 20	X		30 - 150	2.0 - 10.3	250°F	121.1°C
17-401	Bronze / Brass	1/2	DN 15	X		75 - 160	5.2 - 11.0	250°F	121.1°C
17-402	Bronze / Brass	3/4	DN 20	X		75 - 150	5.2 - 10.3	250°F	121.1°C
18C-400	Bronze / Brass	1/2 - 3/4	DN 15 - 20	X		125 - 175	8.61 - 12.1	210°F	98.9°C
18-500	Bronze / Stainless	3/4 - 2	DN 20 - 50	X		75 - 150	5.2 - 10.3	210°F	98.9°C
ASME Section VIII Air / Gases									
15	Brass	1/4 - 1	DN 8 - 25	X	X	15 - 250	1.0 - 17.2	325°F	162.8°C
19M	Bronze / Brass	1/2 - 2-1/2	DN 15 - 65	X	X	8 - 300	0.55 - 20.7	406°F	207.7°C
19K	Bronze / Brass	1/2 - 2-1/2	DN 15 - 65	X	X	15 - 300	1.0 - 20.7	406°F	207.7°C
19L	Bronze / Stainless	1/2 - 2-1/2	DN 15 - 65	X	X	15 - 300	1.0 - 20.7	406°F	207.7°C
19S	Bronze / Stainless	1/2 - 2-1/2	DN 15 - 65	X	X	8 - 300	0.55 - 20.7	422°F	216.7°C
29	Bronze / Brass	3/8 - 1-1/4	DN 10 - 32	X	X	30 - 200	2.0 - 13.8	406°F	207.7°C
119	Cast Iron / Stainless	1-1/2 - 6	DN 40 - 150	X X	X	8 - 250	0.55 - 17.2	450°F	232.2°C
510	Bronze / Brass	1/2 - 2	DN 15 - 50	X	X	8 - 300	0.55 - 20.7	406°F	207.7°C
520	Bronze / Stainless	1/2 - 2	DN 15 - 50	X	X	8 - 1200	0.55 - 82.7	422°F	216.7°C
530	Steel / Stainless	1/2 - 2	DN 15 - 50	X	X	8 - 1200	0.55 - 82.7	800°F	426.7°C
540	Stainless / Stainless	1/2 - 2	DN 15 - 50	X	X	8 - 1200	0.55 - 82.7	800°F	426.7°C
ASME Section VIII Steam									
10-322	Brass	3/4	DN 20	X	X	15 - 60	1.0 - 4.1	325°F	162.8°C
10-512	Brass	1/2	DN 15	X	X	9 - 60	0.62 - 4.1	325°F	162.8°C
19M	Bronze / Brass	1/2 - 2-1/2	DN 15 - 65	X	X	8 - 250	0.55 - 17.2	406°F	207.7°C
19K	Bronze / Brass	1/2 - 2-1/2	DN 15 - 65	X	X	15 - 250	1.0 - 17.2	406°F	207.7°C
19L	Bronze / Stainless	1/2 - 2-1/2	DN 15 - 65	X	X	15 - 250	1.0 - 17.2	406°F	207.7°C
19S	Bronze / Stainless	1/2 - 2-1/2	DN 15 - 65	X	X	8 - 300	0.55 - 20.7	422°F	216.7°C
29	Bronze / Brass	3/8 - 1-1/4	DN 10 - 32	X	X	30 - 200	2.0 - 13.8	406°F	207.7°C
119	Cast Iron / Stainless	1-1/2 - 6	DN 40 - 150	X X	X	8 - 250	0.55 - 17.2	450°F	232.2°C
510	Bronze / Brass	1/2 - 2	DN 15 - 50	X	X	8 - 250	0.55 - 17.2	406°F	207.7°C
520	Bronze / Stainless	1/2 - 2	DN 15 - 50	X	X	8 - 300	0.55 - 20.7	422°F	216.7°C
530	Steel / Stainless	1/2 - 2	DN 15 - 50	X	X	8 - 900	0.55 - 62.1	800°F	426.7°C
540	Stainless / Stainless	1/2 - 2	DN 15 - 50	X	X	8 - 900	0.55 - 62.1	800°F	426.7°C
ASME Section VIII Liquid									
510	Bronze / Brass	1/2 - 2	DN 15 - 50	X	X	8 - 300	0.55 - 20.7	406°F	207.7°C
520	Bronze / Stainless	1/2 - 2	DN 15 - 50	X	X	8 - 1200	0.55 - 82.7	422°F	216.7°C
530	CS / Stainless	1/2 - 2	DN 15 - 50	X	X	8 - 1200	0.55 - 82.7	800°F	426.7°C
540	Stainless / Stainless	1/2 - 2	DN 15 - 50	X	X	8 - 1200	0.55 - 82.7	800°F	426.7°C
Non-Code, Vacuum & Miscellaneous Products									
14-400, 14-500	Low Pressure Air	2 - 3	DN 50 - 80	X		4 - 22	0.3 - 1.52	400°F	204.4°C
14-600	Vacuum Relief	2 - 3	DN 50 - 80	X		8 - 30 HG	203 - 762 mm. HG	400°F	204.4°C
16-200	Liquids	1/2	DN 15	X		30 - 80	2.1 - 12.4	120°F	48.9°C
16-501	Adj. Liquid Bypass	1/2	DN 15	X		0 - 600	0 - 41.4	200°F	93.3°C
16-503, 16-504	Calibrated Liquid Relief	1/2 - 3/4	DN 15 - 20	X		50 - 175	3.4 - 12.1	200°F	93.3°C
Drip Pan Elbows	Steam Discharge	3/4 - 8	DN 20 - 200	X X		N/A	N/A	450°F	232.2°C