



PNEUMATIC CONVEYING SYSTEMS

SURGE HOPPER



OVERVIEW

Cyclonaire surge hoppers are available in a wide range of sizes to meet all of your demanding and diverse working and intermediate storage needs.

Standard features include inlet flange, vent connection, level sensor connection and outlet flange.

Optional features, listed in the adjoining column, are available.

Quality, custom built at competitive prices.

APPLICATIONS

- Appropriate for intermediate / working storage

MATERIALS / CHARACTERISTICS

- Any dry bulk material held for intermediate / working storage

CAPACITY

- 5 - 150ft³ standard, custom capacities available

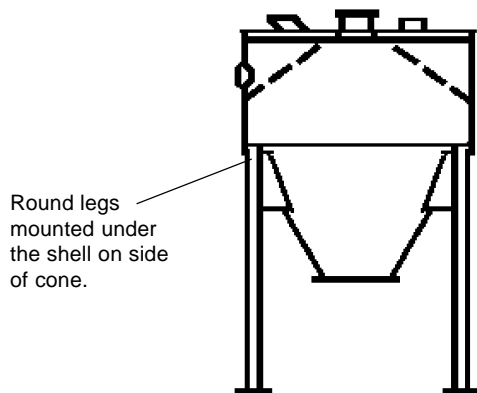
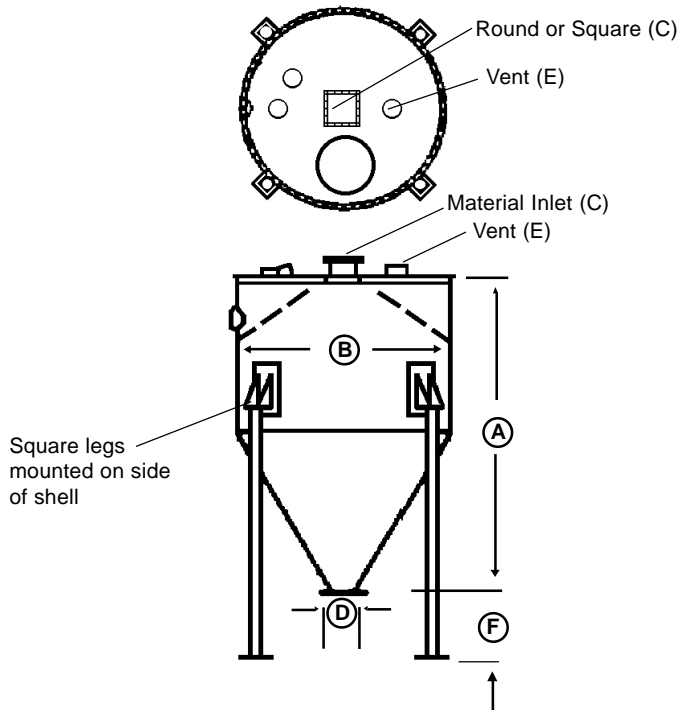
BENEFITS AND FEATURES

- Standard features include inlet flange, vent connection, level sensor connection and outlet flange
- Larger custom sizes available if requirements exceed sizing table (see back side)
- Standard:
 - Carbon steel
 - Round shell and cone
 - 60° cone
 - Flanged inlet and vent connection
 - Support saddles
- Specify:
 - Stainless steel
 - Cone aeration
 - Manway, hand hole
 - Level sensors, high and low
 - Squared or rounded legs
 - Square shell and cone
 - Sight glass
 - 70° cone
 - Support legs
 - Custom inlet and outlet sizes
 - Load cells

REQUIREMENTS

- Installation space as per dimensional table (see back side)

SURGE HOPPER



Usable Capacity (Cu. ft.)	Height w/Std Inlet and Outlet (A)	Shell Dia (B)	Inlet Sq. or Rd. Size (C)	Outlet Dia (D)	Vent Dia (E)	Height (F)
5	42	30 $\frac{1}{4}$	6	8	—	18
10	54	30 $\frac{1}{4}$	6	8	—	18
15	60	36 $\frac{1}{4}$	6	8	—	18
20	68	36 $\frac{1}{4}$	6	8	—	18
20	63	42 $\frac{1}{4}$	6	8	—	18
30	83	36 $\frac{1}{4}$	6	10	—	18
30	74	42 $\frac{1}{4}$	6	10	—	18
40	86	42 $\frac{1}{4}$	6	10	—	18
40	79	48 $\frac{1}{4}$	6	10	—	18
50	88	48 $\frac{1}{4}$	8	12	—	18
50	82	54 $\frac{3}{16}$	8	12	—	18
50	80	60 $\frac{3}{16}$	8	12	—	18
75	101	54 $\frac{3}{16}$	8	12	—	18
75	94	60 $\frac{3}{16}$	8	12	—	18
100	110	60 $\frac{3}{16}$	10	12	—	18
100	100	72 $\frac{3}{16}$	10	12	—	18
150	125	72 $\frac{3}{16}$	10	12	—	18

NOTE: Dimensional data for reference only. Subject to change without notice.

Usable capacity is based on a 35° angle of repose.

Overall height = (A) + (F)

Surge hoppers include top with level with square or round inlet flange, vent connection, level sensor connection (with level sensor option) and outlet flange

Items C, D, E and F are custom request if not standard