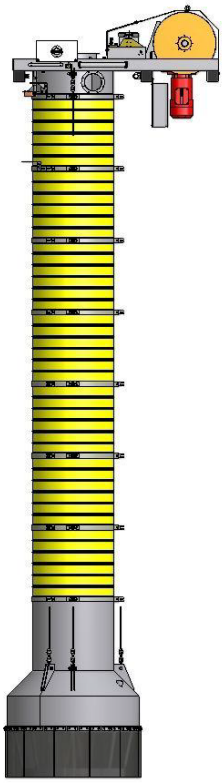
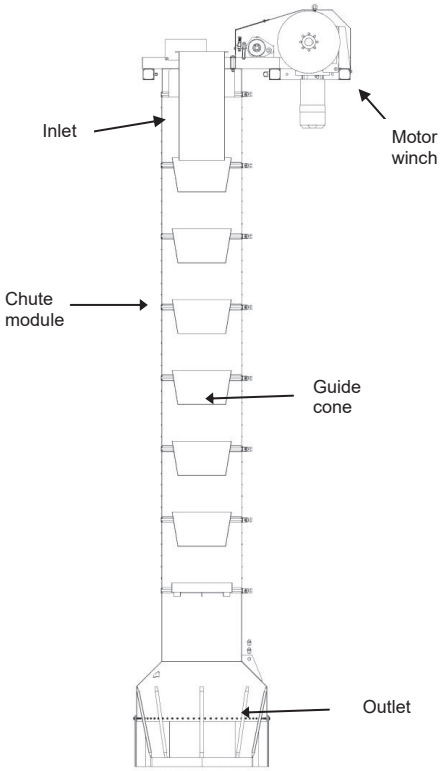
CONVEYING

MODUFLEX LOADING CHUTE
V400F

GENERAL

Brand	Cimbria
Designation	Moduflex Loading Chute
Model	V400F
Use	Designed for dust-free out-loading of dry bulk material.





Technical Information - V400F	
Inlet	Cylindrical Inlet tube in 2/4 mm steel. With Ø400mm connection with flange. 2 off exhaust connections Ø150 mm with flange.
Chute modules	Type Y - Standard: Yellow. PVC/Polyester. Ø=700mm/H=625mm. Temperature -35°C - +70°C Type B - Heavy Duty: Black. Synthetic rubber. Ø=700mm/H=625mm. Temperature -40°C - +130°C Type R - High temperature: Red.Polyester and fiber/silicone rubber. Ø700/H625mm. Temp. -40°C - +150°C (peak +220°C) Type Z - Low temperature: Green. PVC/PU. Ø700mm/H=625mm. Temperature -60° C - +70° C. Connection ring in stainless steel Aisi 304, c/w 3 off wire guides in nylon and fittings for relief wires.
Guide cones	Type J - Steel Standard. Steel, H=300mm, pt=2/4mm. Type L - Steel Overlapping. Steel, H=650mm, pt=2/4mm.
Outlet	Type F – Flat Outlet with dust skirt for open loading. Option: Type T – Tank outlet for closed loading
Motor winch	Brake motor 2.2-5.5 kW, 1425 rpm. Gear box ratio 1:124 – 1:143. Tight and slack wire indication on all 3 hoisting wires. External 3-point wire hoist system with high precision ball bearings and 3 winch discs vertically fitted. 2 off relief wires. Hoist/relief wires Ø8mm available in steel or stainless steel Aisi316. Wire rollers in steel or stainless steel with high precision ball bearings.
General info	Max. loading capacity approx. 440 m^3/hour. Recommended connecting value for aspiration 1200-2550 m^3/hour 500-1500 Pa. Metal parts available in steel st. 37, stainless steel Aisi 304 or steel Hardox 400. Other steel qualities on demand. Surface treatment St. 37: Iron phosphating, 80 micron coating RAL 9010 pure white. Surface treatment Aisi 304: Acid-washed without any further treatment Optional: Hot dip galvanized inlet/outlet and motor frame. Available with full approval and certificates for location in ATEX zone 22 (zone 20 inside the chute)

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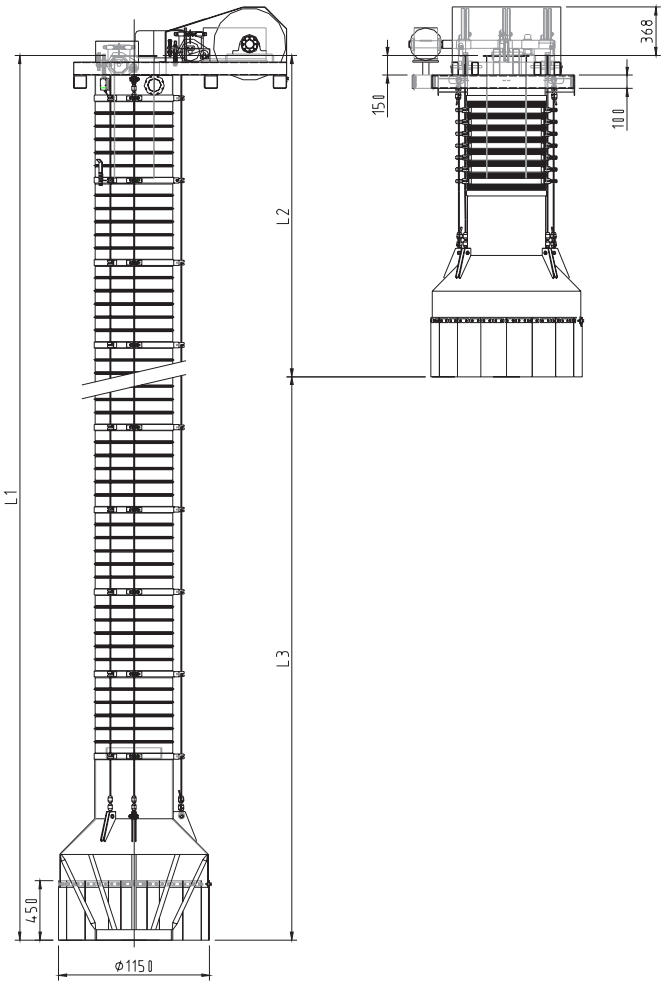
V400F			
Outlet type F			
Cone	Steel		
M	L1	L2	L3
1	2 555	2 020	535
2	3 180	2 110	1 070
3	3 805	2 200	1 605
4	4 430	2 290	2 140
5	5 055	2 380	2 675
6	5 680	2 470	3 210
7	6 305	2 560	3 745
8	6 930	2 650	4 280
9	7 555	2 740	4 815
10	8 180	2 830	5 350
11	8 805	2 920	5 885
12	9 430	3 010	6 420
13	10 055	3 100	6 955
14	10 680	3 190	7 490
15	11 305	3 280	8 025
16	11 930	3 370	8 560
17	12 555	3 460	9 095
18	13 180	3 550	9 630
19	13 805	3 640	10 165
20	14 430	3 730	10 700
21	15 055	3 820	11 235
22	15 680	3 910	11 770
23	16 305	4 000	12 305
24	16 930	4 090	12 840
25	17 555	4 180	13 375
26	18 180	4 270	13 910
27	18 805	4 360	14 445
28	19 430	4 450	14 980
29	20 055	4 540	15 515
30	20 680	4 630	16 050
31	21 305	4 720	16 585
32	21 930	4 810	17 120
33	22 555	4 900	17 655
34	23 180	4 990	18 190
35	23 805	5 080	18 725
36	24 430	5 170	19 260
37	25 055	5 260	19 795
38	25 680	5 350	20 330
39	26 305	5 440	20 865
40	26 930	5 530	21 400