

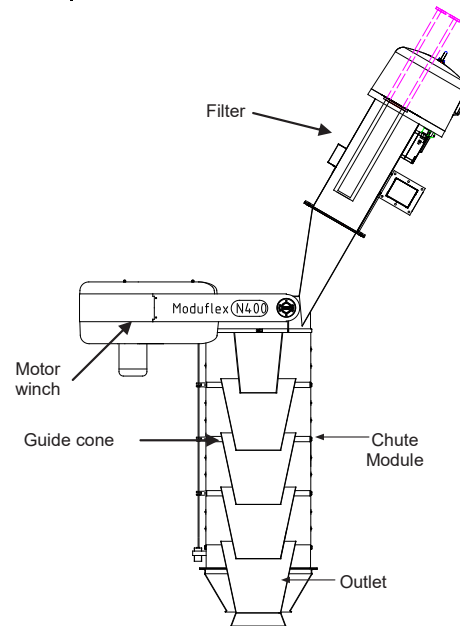


MODUFLEX LOADING CHUTE N400



GENERAL

Brand	Cimbria
Designation	Moduflex Loading Chute
Model	N400
Use	Designed for dust-free out-loading of dry bulk material.



Technical Information - N400

Inlet	Conical Inlet tube in 4 mm steel. Fitting Ø400 PN10 flange (DIN 2576B). Mounted with 16 off M24 bolts. Sidemounted filter module with built-in cartridge filter, pressure tank, magnetic valves etc. 9 off filter cartridges, totals 9 m ² , alternatively 14 m ² or 18 m ² . Fan with 0,75 kW motor.
Chute modules	Type Y - Standard: Yellow. PVC/Polyester. Ø700mm/H=300mm. Temperature -35°C - +70°C Type M - Food Grade: Light Grey. PVC/Polyester. Ø700mm/H=300mm. Temperature -30°C - +70°C Type W - Special: Misc. PVC/Polyester. Ø700mm/H=300mm. Temperature -35°C - +70°C Type B - Heavy Duty: Black. Synthetic rubber. Ø700mm/H=300mm. Temperature -40°C - +130°C Type G - High Temperature: Grey. Teflon/Fiber glass. Ø700mm/H=300mm. Temperature -35°C - +260°C Type R - High Temperature: Red. Polyester and fiber/silicone rubber. Ø700/H=300. Temp. -40°C - +150°C (peak +220°C) Type Z - Low temperature: Green. PVC/PU. Ø700mm/H=300mm. Temperature -60° C - +70° C. Connection ring in stainless steel Aisi 304, c/w 3 off wire guides in nylon.
Guide cones	Type O - Support ring. Steel, H=30mm Type J - Steel Standard. Steel, H=150mm, pt=2mm. Type L - Steel Overlapping. Steel, H=405mm, pt=2mm.
Outlet	Type T - Tank Outlet with steel cone for loading in tanker truck. Type F - Flat Outlet with dust skirt for loading in tanker truck. Type M - Multi Outlet with steel cone and dust skirt for loading in tanker truck and open truck.
Motor winch	Motor 0.55-2.2 kW, 1400 rpm. Gear box ratio 100:1. Tight and slack wire indication External 3-point wire hoist system with high precision ball bearings and 3 off winch discs vertically fitted. Hoist wires Ø5mm available in steel, stainless steel Aisi316 or Long Life steel quality. Self-lubricating wire rollers in Ertalite TX, alternatively steel/stainless steel with bronze bearing
General info	Max. loading capacity approx. 440 m ³ /hour. Compressed air supply, clean and dry for filter: Connection 5-6 bar. Filter cleaning air consumption 100-150 NL/min. Pressure air connection ½". Metal parts available in painted steel st. 37 or stainless steel Aisi 304. 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 Motor winch covers in ABS - RAL 6005 dark green. Cover on filter RAL 6005 Available with full approval and certificates for location in ATEX zone 21 and 22 (zone 20 inside the chute)

Accessories for Loading Chute N400, please see separate Data Sheet

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MODUFLEX LOADING CHUTE

N400

N400

	Outlet type TH			Outlet type FH			Outlet type MH		
Cone	Overlapping steel			Overlapping steel			Overlapping steel		
M	L1	L2	L3	L1	L2	L3	L1	L2	L3
1	948	691	257	1 334	1 077	257			
2	1 255	741	514	1 641	1 127	514			
3	1 562	791	771	1 948	1 177	771			
4	1 869	841	1 028	2 255	1 227	1 028			
5	2 176	891	1 285	2 562	1 277	1 285			
6	2 483	941	1 542	2 869	1 327	1 542	2 869	1 327	1 542
7	2 790	991	1 799	3 176	1 377	1 799	3 176	1 377	1 799
8	3 097	1 041	2 056	3 483	1 427	2 056	3 483	1 427	2 056
9	3 404	1 091	2 313	3 790	1 477	2 313	3 790	1 477	2 313
10	3 711	1 141	2 570	4 097	1 527	2 570	4 097	1 527	2 570
11	4 018	1 191	2 827	4 404	1 577	2 827	4 404	1 577	2 827
12	4 325	1 241	3 084	4 711	1 627	3 084	4 711	1 627	3 084
13	4 632	1 291	3 341	5 018	1 677	3 341	5 018	1 677	3 341
14	4 939	1 341	3 598	5 325	1 727	3 598	5 325	1 727	3 598
15	5 246	1 391	3 855	5 632	1 777	3 855	5 632	1 777	3 855
16	5 553	1 441	4 112	5 939	1 827	4 112	5 939	1 827	4 112
17	5 860	1 491	4 369	6 246	1 877	4 369	6 246	1 877	4 369
18	6 167	1 541	4 626	6 553	1 927	4 626	6 553	1 927	4 626
19	6 474	1 591	4 883	6 860	1 977	4 883	6 860	1 977	4 883
20	6 781	1 641	5 140	7 167	2 027	5 140	7 167	2 027	5 140

N400 with FlexClose - no indicator

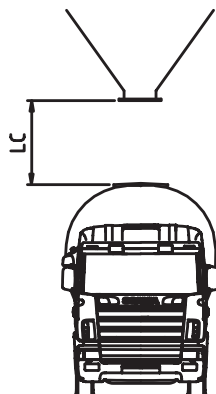
M	LC	L1	L2	L3
2	1 197	1 507	993	514
3	1 504	1 814	1 043	771
4	1 811	2 121	1 093	1 028
5	2 118	2 428	1 143	1 285
6	2 425	2 735	1 193	1 542
7	2 732	3 042	1 243	1 799
8	3 039	3 349	1 293	2 056
9	3 346	3 656	1 343	2 313
10	3 653	3 963	1 393	2 570

N400 with Flexfill

M	LC	L1	L2	L3
3	1 784	2 103	1 535	568
4	2 091	2 410	1 585	825
5	2 398	2 717	1 635	1 082
6	2 705	3 024	1 685	1 339
7	3 012	3 331	1 735	1 596
8	3 319	3 638	1 785	1 853
9	3 626	3 945	1 835	2 110
10	3 933	4 252	1 885	2 367

N400 with FlexClose + indicator

Rotating + capacitive indicator					Vibration rod		
M	LC	L1	L2	L3	L1	L2	L3
2	1 197	1 667	1 153	514	1 737	1 223	514
3	1 504	1 974	1 203	771	2 044	1 273	771
4	1 811	2 281	1 253	1 028	2 351	1 323	1 028
5	2 118	2 588	1 303	1 285	2 658	1 373	1 285
6	2 425	2 895	1 353	1 542	2 965	1 423	1 542
7	2 732	3 202	1 403	1 799	3 272	1 473	1 799
8	3 039	3 509	1 453	2 056	3 579	1 523	2 056
9	3 346	3 816	1 503	2 313	3 886	1 573	2 313
10	3 653	4 123	1 553	2 570	4 193	1 623	2 570



LC measure to be used when the loading chute is fitted with FlexClose or FlexFill.

