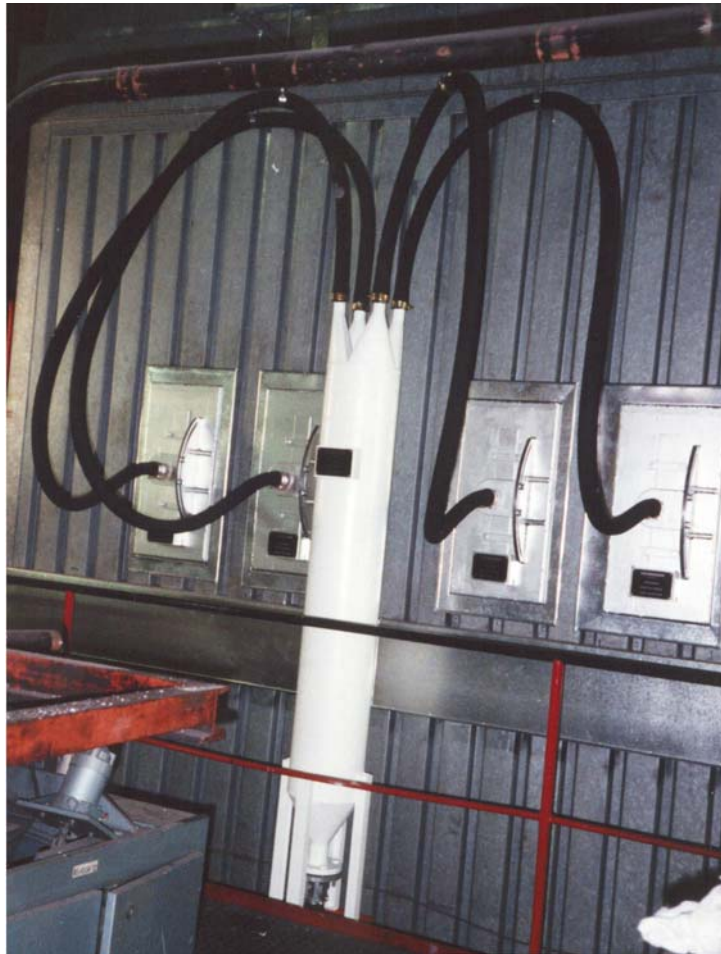


Pneumatic Conveyor Systems (Rev. I / 2003)

Overview

Splitter or manifold in pneumatic conveying systems are applied in order to distribute carrier gas and solids very uniformly.

2-8-fold splitters are normally preferred. The following picture shows a four-fold distributor for hydrated lime and air mixture ejecting into a boiler.

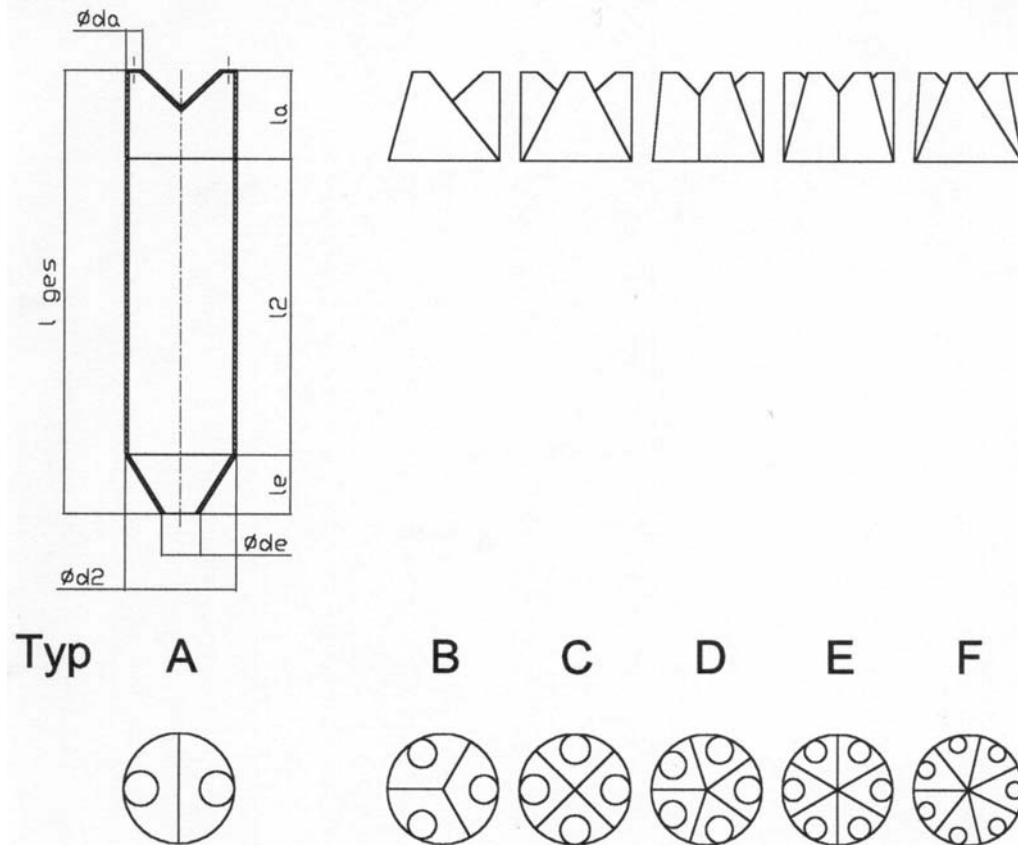


A trouble free operation of the conveying system is of particular importance. The distributor is a part of the whole plant and aside from the geometric values, it has to be optimized considering the fluid mechanics.

It is important to assure that the dominating pressure drop is situated at the end of the conveying line and therefore smaller pressure differences of the conveying line distances can be ignored.

If you have further questions don't hesitate to contact us.

Pneumatic Conveyor Systems (Rev. I / 2003)



Typ DN	de (mm)	d2 (mm)	l ges (mm)	la (mm)	le (mm)	l2 (mm)	da						Weight (kg)
							A (DN)	B (DN)	C (DN)	D (DN)	E (DN)	F (DN)	
150	57x5.6	168.3x4.5	675	134.8	90.2	450	32	25	-	-	-	-	25
200	70x5.6	219.1x4	900	177.7	122.3	600	40	32	25	-	-	-	40
250	82x5.6	267x4	1125	220.2	154.8	750	50	40	32	25	-	-	55
300	101.6x5.6	318x4	1350	268.5	181.5	900	65	40	32	25	25	-	70
350	114.3x6.3	368x4	1575	310.0	215.0	1050	65	50	40	32	32	25	110
400	127x6.3	419x4	1825	377.7	247.3	1200	80	50	40	32	32	25	145
450	139.7x6.3	470x4	2050	420.4	279.6	1350	80	65	50	40	40	32	180
500	159x6.36	520x4	2300	493.8	306.2	1500	100	65	50	40	40	32	215
600	193.7x7.1	620x4	2750	585.9	364.1	1800	125	100	80	80	65	50	305
700	219.1x8	720x5	3175	644.7	430.3	2100	-	100	80	80	65	50	500
800	244.5x8	820x6	3625	730.1	494.9	2400	-	-	100	80	65	65	650
900	267x8.8	920x6	4075	811.6	563.4	2700	-	-	-	100	80	80	870
1000	298.5x8.8	1020x6	4525	902.2	622.8	3000	-	-	-	-	100	100	1000

All dimensions are approximated and can be altered if necessary.