

1	2	3	4
Rev.:	Revision note:	Drawn date:	Checked date:
			Approved date:

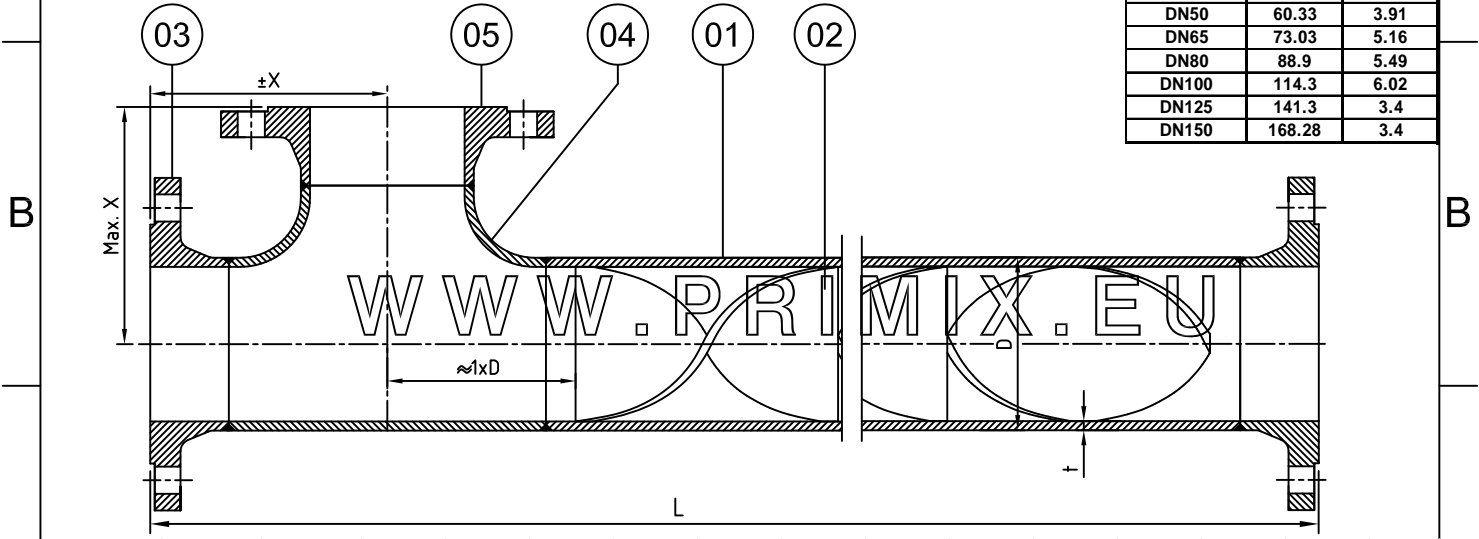
Tolerance for pressure vessels according DIN 28005-1

Range [mm]	Vessel length [mm]	Distance nozzle to reference line [mm]	Nozzle facing to reference line [mm]
>30 - 120	± 3	± 2	± 3
>120 - 400	± 4	± 2	± 4
>400 - 1000	± 6	± 3	± 6
>1000 - 2000	± 8	± 4	
>2000 - 4000	± 11	± 6	
>4000 - 8000	± 14	± 8	
>8000 - 12000	± 18	± 10	

NOTE:
 -Weights indicated are valid for injection flange size equal to main flange size!
 -Height of injection point depends on size of injection point.
 Indicated height X is maximum possible.

POSSIBLE INJECTION SIZE

Size	Outside diameter	Wall thickness
	D [mm]	t [mm]
DN15	21.34	2.77
DN20	26.67	2.87
DN25	33.4	3.38
DN32	42.16	3.56
DN40	48.26	3.68
DN50	60.33	3.91
DN65	73.03	5.16
DN80	88.9	5.49
DN100	114.3	6.02
DN125	141.3	3.4
DN150	168.28	3.4



MIXER DIMENSION & WEIGHT (EN1092-1 TYPE 11/B1 FLANGES + ASME B16.9 TEE)

Size	Outside diameter D [mm]	Wall thickness t [mm]	NUMBER OF ELEMENTS												Inj. Position X [mm]	
			2		3		4		5		6		8			
			L [mm]	W [kg]	L [mm]	W [kg]	L [mm]	W [kg]	L [mm]	W [kg]	L [mm]	W [kg]	L [mm]	W [kg]	L [mm]	W [kg]
DN15	21.34	2.77	180	2.1	205	2.2	230	2.2	255	2.2	280	2.3	330	2.3	64	
DN20	26.67	2.87	210	3.1	245	3.2	280	3.3	315	3.3	350	3.4	415	3.6	70	
DN25	33.40	3.38	250	3.9	295	4.1	340	4.2	385	4.4	430	4.5	510	4.8	80	
DN32	42.16	3.56	295	6.0	355	6.3	410	6.5	470	6.8	525	7.0	635	7.5	91	
DN40	48.26	3.68	340	6.9	410	7.3	475	7.6	540	8.0	605	8.3	735	9.0	103	
DN50	60.33	3.91	405	9.7	485	10.3	570	10.9	655	11.5	740	12.1	910	13.4	112	
DN65	73.03	5.16	460	13.1	560	14.2	660	15.2	760	16.3	860	17.4	1065	19.6	125	
DN80	88.90	5.49	535	16.8	655	18.5	785	20.4	905	22.2	1035	24.0	1285	27.7	139	
DN100	114.30	6.02	655	25.1	815	28.5	985	32.1	1145	35.5	1315	39.1	1640	46.0	160	
DN125	141.30	3.40	840	31.9	1070	36.6	1295	41.2	1525	45.8	1755	50.5	2210	59.8	182	

Size	Outside diameter D [mm]	Wall thickness t [mm]	NUMBER OF ELEMENTS												Inj. Position X [mm]	
			10		12		14		16		20		24			
			L [mm]	W [kg]	L [mm]	W [kg]	L [mm]	W [kg]	L [mm]	W [kg]	L [mm]	W [kg]	L [mm]	W [kg]	L [mm]	W [kg]
DN15	21.34	2.77	380	2.4	430	2.4	480	2.5	530	2.6	635	2.7	735	2.9	64	
DN20	26.67	2.87	480	3.6	550	3.7	615	3.8	685	4.0	815	4.2	950	4.5	70	
DN25	33.40	3.38	595	4.8	680	5.1	765	5.3	850	5.5	1020	6.0	1190	6.5	80	
DN32	42.16	3.56	750	7.6	860	8.0	970	8.4	1085	8.9	1310	9.7	1535	10.6	91	
DN40	48.26	3.68	865	9.1	1000	9.7	1130	10.3	1260	11.0	1520	12.1	1785	13.4	103	
DN50	60.33	3.91	1080	13.5	1245	14.5	1415	15.6	1580	16.6	1920	18.7	2255	20.8	112	
DN65	73.03	5.16	1265	20.1	1465	22.1	1665	24.1	1870	26.1	2270	29.8	2670	33.7	125	
DN80	88.90	5.49	1535	28.2	1785	31.5	2035	34.7	2280	37.9	2780	44.1	3280	50.6	139	
DN100	114.30	6.02	1970	46.6	2295	52.7	2625	58.9	2950	65.0	3605	76.5	4260	88.8	160	
DN125	141.30	3.40	2670	53.4	3125	60.7	3585	68.1	4040	75.4	4955	88.1	5870	102.7	182	

05	Welding neck flange	EN1092-1 Type 11 Form B1	1.4404/316L	3.1	1	PN16		
04	Tee	ASME B16.9	316L	3.1	1			
03	Welding neck flange	EN1092-1 Type 11 Form B1	1.4404/316L	3.1	2	PN16		
02	Helical Shaped element		1.4404/316L	2.2				
01	Housing		1.4404/316L	3.1	1			

Item No.:	Description:	Reference standard / drawing:	Material:	Mat. Cert.:	No.-off:	Final dimension	Weight:	Rev.:
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Drawn by:	Checked by:	Approved by:	Date:	Client ref.:	Project:	Scale:	Format:
MR	RJW	RJW	5-11-2015			1:~	A4

	Projection:	Title:	Sheet:	Rev.No.:
		EN(11)PN16 INJ(EN) STATIC MIXER		
		PMS ___ - ___ -316L-EN(11)PN16-INJ(EN11)	1/1	0