

Performance: Metric Units

150 SERIES

TAPER BORE NOZZLE: 24° Trajectory

Pressure BAR	0.70 in 17.8 mm		0.80 in 20.3 mm		0.90 in 22.9 mm		1.00 in 25.4 mm		1.10 in 27.9 mm		1.20 in 30.5 mm		1.30 in 33.0 mm		1.40 in 35.6 mm	
	m³/hr	Rad. (m)	m³/hr	Rad. (m)	m³/hr	Rad. (m)	m³/hr	Rad. (m)	m³/hr	Rad. (m)	m³/hr	Rad. (m)	m³/hr	Rad. (m)	m³/hr	Rad. (m)
3.5	23.0	38.5	29.8	41.5	37.9	44.5	47.0	47.5	57.8	50.5	68.8	53.0	80.2	55.0	93.3	57.5
4.0	24.6	40.0	31.9	43.0	40.5	46.0	50.3	49.0	61.7	52.0	73.5	55.0	85.9	57.0	99.8	59.5
4.5	26.1	41.5	33.9	44.5	43.0	48.0	53.3	51.0	65.3	54.0	78.0	57.0	91.2	59.0	105.8	61.5
5.0	27.6	43.0	35.7	46.0	45.4	49.5	56.2	52.5	68.6	55.5	82.2	58.5	96.2	61.0	111.6	63.5
5.5	28.9	44.0	37.5	47.0	47.7	50.5	59.0	54.0	71.9	57.0	86.2	60.0	101.0	62.5	117.0	65.0
6.0	30.3	45.5	39.2	48.5	49.8	52.0	61.6	55.0	74.9	58.5	90.0	61.5	105.6	64.0	122.2	67.0
6.5	31.5	46.5	40.9	49.5	51.9	53.5	64.2	56.5	77.9	60.0	93.7	63.0	110.0	65.5	127.2	68.5
7.0	32.7	47.5	42.4	50.5	53.9	54.5	66.6	57.5	80.7	61.0	97.3	64.5	114.2	67.0	132.0	70.0
7.5	33.9	48.5	44.0	51.5	55.8	55.5	68.9	58.5	83.4	62.5	100.7	65.5	118.3	68.5	136.7	71.5
8.0	35.1	49.5	45.4	52.5	57.6	56.5	71.2	59.5	86.0	63.5	104.0	66.5	122.3	69.5	141.1	72.5
8.25	35.6	50.0	46.2	53.0	58.5	57.0	72.3	60.0	87.3	64.0	105.6	67.0	124.2	70.0	143.3	73.5

TAPER RING NOZZLE: 24° Trajectory

Pressure BAR	0.71 in 18.0 mm		0.75 in 19.0 mm		0.79 in 20.0 mm		0.83 in 21.0 mm		0.87 in 22.0 mm		0.91 in 23.0 mm		0.94 in 24.0 mm		0.98 in 25.0 mm		1.02 in 26.0 mm		1.06 in 27.0 mm		1.10 in 28.0 mm		1.14 in 29.0 mm		1.18 in 30.0 mm	
	m³/hr	Rad.(m)	m³/hr	Rad.(m)	m³/hr	Rad.(m)	m³/hr	Rad.(m)	m³/hr	Rad.(m)	m³/hr	Rad.(m)	m³/hr	Rad.(m)	m³/hr	Rad.(m)	m³/hr	Rad.(m)	m³/hr	Rad.(m)	m³/hr	Rad.(m)	m³/hr	Rad.(m)	m³/hr	Rad.(m)
3.5	202	36.5	227	38.0	254	39.0	280	40.0	309	41.5	341	42.5	375	44.0	410	45.0	448	46.0	490	47.5	533	48.5	579	50.0	628	51.0
4.0	216	38.0	243	39.0	271	40.5	299	41.5	330	43.0	364	44.0	401	45.5	438	46.5	478	48.0	523	49.0	570	50.5	619	52.0	671	53.0
4.5	229	39.0	257	40.5	287	41.5	317	43.0	350	44.5	386	46.0	425	47.0	465	48.5	507	49.5	555	51.0	605	52.0	657	53.5	712	54.5
5.0	242	40.0	271	41.5	303	43.0	334	44.5	369	46.0	407	47.0	448	48.5	490	50.0	535	51.0	585	52.5	638	54.0	692	55.0	751	56.5
5.5	253	41.5	285	43.0	317	44.0	351	45.5	387	47.0	426	48.5	470	50.0	514	51.0	561	52.5	614	54.0	669	55.5	726	57.0	787	58.0
6.0	265	42.5	298	44.0	331	45.5	366	47.0	404	48.5	445	50.0	490	51.5	537	52.5	586	54.0	641	55.5	699	56.5	758	58.0	822	59.5
6.5	276	43.5	310	45.0	345	46.5	381	48.0	420	49.5	463	51.0	510	52.5	559	54.0	610	55.0	667	56.5	727	58.0	789	59.5	856	61.0
7.0	286	44.5	322	46.0	357	47.5	395	49.0	436	50.5	480	52.0	529	53.5	580	55.0	633	56.0	692	58.0	755	59.5	819	61.0	888	62.0
7.5	296	45.5	333	47.0	370	48.5	409	50.0	452	51.5	497	53.0	548	54.5	600	56.0	655	57.5	717	59.0	781	60.5	848	62.0	919	63.5
8.0	306	46.5	344	48.0	382	49.5	422	51.0	466	52.5	513	54.0	566	55.5	620	57.0	676	58.0	740	60.0	807	61.5	876	63.0	949	64.5
8.25	311	47.0	349	48.5	388	50.0	428	51.5	474	53.0	521	54.5	575	56.0	630	57.5	687	58.5	752	60.5	820	62.0	889	63.5	964	65.0

TAPER RING NOZZLE: 24° Trajectory

Pressure BAR	1.22 in 31.0 mm		1.26 in 32.0 mm		1.30 in 33.0 mm		1.34 in 34.0 mm	
	m³/hr	Rad. (m)	m³/hr	Rad. (m)	m³/hr	Rad. (m)	m³/hr	Rad. (m)
3.5	678	52.0	731	53.0	787	54.0	845	55.0
4.0	725	54.0	781	55.0	842	56.0	903	57.0
4.5	769	56.0	829	57.0	893	58.0	958	59.0
5.0	811	57.5	874	59.0	941	60.0	1010	60.5
5.5	850	59.5	916	60.5	987	61.5	1059	62.5
6.0	888	61.0	957	62.0	1030	63.0	1106	64.0
6.5	925	62.0	997	63.5	1072	64.5	1152	65.5
7.0	960	63.5	1034	64.5	1113	66.0	1195	66.5
7.5	993	64.5	1071	66.0	1152	67.0	1237	68.0
8.0	1026	65.5	1106	67.0	1190	68.0	1277	69.0
8.25	1042	66.0	1123	67.5	1208	68.5	1297	69.5

RING NOZZLE: 24° Trajectory

Pressure BAR	0.86 in 21.8 mm		0.97 in 24.6 mm		1.08 in 27.4 mm		1.18 in 30.0 mm		1.26 in 32.0 mm		1.34 in 34.0 mm		1.41 in 35.8 mm	
	m³/hr	Rad. (m)	m³/hr	Rad. (m)	m³/hr	Rad. (m)	m³/hr	Rad. (m)	m³/hr	Rad. (m)	m³/hr	Rad. (m)	m³/hr	Rad. (m)
3.5	23.0	37.5	29.8	40.5	37.9	44.0	47.0	46.0	57.8	49.0	68.8	51.0	80.2	53.5
4.0	24.6	39.0	31.9	42.0	40.5	45.0	50.3	47.5	61.7	50.5	73.5	53.0	85.9	55.5
4.5	26.1	40.5	33.9	43.5	43.0	46.5	53.3	49.0	65.3	52.0	78.0	54.5	91.2	57.0
5.0	27.6	41.5	35.7	44.5	45.4	47.5	56.2	50.5	68.6	53.5	82.2	56.0	96.2	59.5
5.5	28.9	43.0	37.5	46.0	47.7	49.0	59.0	51.5	71.9	52.0	86.2	57.5	101.0	62.0
6.0	30.3	44.0	39.2	47.0	49.8	50.0	61.6	53.0	74.9	54.0	90.0	59.0	105.6	65.0
6.5	31.5	45.0	40.9	48.0	51.9	51.0	64.2	54.0	77.9	55.0	93.7	60.0	110.0	66.5
7.0	32.7	46.0	42.4	49.0	53.9	52.0	66.6	55.5	80.7	56.5	97.3	61.5	114.2	68.0
7.5	33.9	47.0	44.0	50.0	55.8	53.0	68.9	56.5	83.4	57.5	100.7	62.5	118.3	69.5
8.0	35.1	47.5	45.4	50.5	57.6	54.0	71.2	57.5	86.0	60.5	104.0	63.5	122.3	71.0
8.25	35.6	48.0	46.2	51.0	58.5	54.5	72.3	57.5	87.3	61.0	105.6	64.0	124.2	72.0