

FLOW & REACH DATA

The flow and reach data provides you with key information on our handline nozzle capabilities. The following table outlines the flow setting and the straight stream reach for our handline nozzles at various pressures. The data is compiled and updated by our Engineering & Testing departments.

Selectable Gallonage Handline Nozzles

Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach			
	PSI	BAR	GPM	LPM	GPM	LPM	Effective		Overall	
							Feet	Meters	Feet	Meters
360 (page 3)	75	5	5	19	4	15	45	13	55	16
			10	37	9	34	45	13	55	16
			24	90	21	79	65	19	75	22
			40	150	35	132	75	22	85	26
	100	7	5	19	5	19	50	15	60	18
			10	37	10	37	50	15	60	18
			24	90	24	90	70	21	80	24
			40	150	40	150	90	27	100	30
	125	8.5	5	19	6	22	55	16	65	20
			10	37	11	42	55	16	65	20
			24	90	27	102	70	21	80	18
			40	150	45	170	90	29	105	32
361 (page 3)	75	5	13	50	11	42	50	15	60	18
			25	100	22	83	60	18	70	21
			40	150	35	132	75	22	85	25
			60	230	52	197	95	29	105	32
	100	7	13	50	13	50	55	16	65	20
			25	100	25	100	60	18	70	21
			40	150	40	150	90	27	100	30
			60	230	60	230	105	32	115	35
	125	8.5	13	50	15	57	55	16	65	19
			25	100	28	106	65	19	75	23
			40	150	45	170	95	29	105	32
			60	230	67	254	110	34	120	36
362 (page 3)	75	5	12	50	10	38	50	15	60	18
			23	90	20	76	65	19	75	22
			30	115	26	98	70	21	80	24
	100	7	12	50	12	50	55	16	65	19
			23	90	23	90	70	21	80	24
			30	115	30	115	75	22	85	26
	125	8.5	12	50	13	49	60	18	70	21
			23	90	26	98	70	21	80	24
			30	115	34	129	80	24	90	27

Notes

Reach figures are measured with nozzle at 32° above horizontal. Overall reach is considered where the furthest droplets of water fall, in still conditions. Effective reach is considered the furthest portion of the water droplet foot print where fire fighting can be accomplished, in still conditions. These tests are conducted in still conditions, so the actual results will vary depending upon conditions.



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	PSI	BAR	GPM	LPM	GPM	LPM	Effective		Overall	
							Feet	Meters	Feet	Meters
366 (page 4)	75	5	30	115	26	98	80	24	90	27
			60	230	52	197	100	30	110	34
			95	360	82	310	120	36	130	39
			125	475	108	409	130	40	140	42
	100	7	30	115	30	115	85	26	95	29
			60	230	60	230	105	30	115	35
			95	360	95	360	125	38	135	41
			125	475	125	475	140	42	150	45
	125	8.5	30	115	34	129	90	27	100	30
			60	230	67	254	110	34	120	36
			95	360	107	401	125	38	130	41
			125	475	140	530	135	41	145	44
367, 368 (page 5-6)	75	5	95	360	82	310	115	35	125	38
			125	475	108	409	125	38	135	41
			150	550	130	492	145	44	155	47
			200	750	173	654	155	47	165	50
			250	950	217	821	160	48	170	51
	100	7	95	360	95	360	140	42	150	45
			125	475	125	475	150	45	160	68
			150	550	150	550	160	48	170	51
			200	750	200	750	170	51	180	54
			250	950	250	950	175	53	185	56
	125	8.5	95	360	106	401	115	44	155	47
			125	475	140	530	145	47	165	50
			150	550	168	636	160	48	170	51
			200	750	224	848	175	53	185	56
			250	950	280	1060	185	56	195	59

Notes

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FLOW & REACH DATA

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Multi-Purpose Handline Nozzles

Orifice Size	Nozzle Pressure		Smooth Bore Flow		Straight Stream Reach			
	PSI	BAR	GPM	LPM	Effective		Overall	
					Feet	Meters	Feet	Meters
3/8"	50	3.5	23	87	55	17	65	20
	75	5	50	114	65	20	75	23
1/2"	50	3.5	45	170	65	20	75	23
	75	5	60	227	85	26	95	29
5/8"	50	3.5	75	284	85	26	95	29
	75	5	95	360	105	32	115	35
3/4"	50	3.5	108	409	105	32	115	35
	75	5	135	571	115	35	125	38
7/8"	50	3.5	155	587	135	41	145	44
	75	5	190	719	155	47	165	50
15/16"	50	3.5	187	708	135	41	145	44
	75	5	229	867	155	47	165	50
1"	50	3.5	216	818	140	43	150	46
	75	5	266	1007	160	48	170	52

Combination Flows

Style	Tip Size	Inlet Pressure		Flow	
		PSI	BAR	GPM	LPM
332 (page 9)	3/8"	50	3.5	66	250
		75	5	78	295
	1/2"	50	3.5	88	333
		75	5	107	405
	5/8"	50	3.5	108	409
		75	5	136	515
333 (page 9)	3/4"	50	3.5	199	753
		75	5	247	935
	7/8"	50	3.5	232	878
		75	5	289	1094
	15/16"	50	3.5	250	946
		75	5	313	1185
	1"	50	3.5	270	1022
		75	5	334	1264

Fog Flows

Style	Inlet Pressure		Flow	
	PSI	BAR	GPM	LPM
332	50	3.5	42	160
	70	5	52	197
	100	7	60	226
333	50	3.5	95	360
	75	5	118	445
	100	7	135	510

Notes

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The flow and reach data provides you with key information on our handline nozzle capabilities. The following table outlines the flow setting and the straight stream reach for our handline nozzles at different pressures. The data is compiled and updated by our Engineering & Testing departments.

Constant Gallonage Handline Nozzles

Style	100 psi Flow Setting	Actual Flow				Straight Stream Reach						
						Effective			Overall			
		75 psi	100 psi	125 psi		75 psi	100 psi	125 psi	75 psi	100 psi	125 psi	
		5 bar	7 bar	8.5 bar		5 bar	7 bar	8.5 bar	5 bar	7 bar	8.5 bar	
371 (page 15)	13	11	13	15	GPM	55	65	75	65	75	85	Feet
	50	42	49	57	LPM	16	20	23	20	23	26	Meters
	25	22	25	28	GPM	70	75	85	80	85	95	Feet
	100	83	100	106	LPM	21	23	26	24	26	29	Meters
	40	35	40	45	GPM	75	85	95	85	95	105	Feet
	150	132	150	170	LPM	23	26	29	26	29	32	Meters
	60	52	60	67	GPM	85	95	105	95	105	115	Feet
372 (page 15)	230	197	230	254	LPM	26	29	32	29	32	35	Meters
	60	52	60	67	GPM	85	95	105	95	105	115	Feet
	230	197	230	254	LPM	26	29	32	29	32	35	Meters
	95	82	95	106	GPM	90	115	125	100	125	135	Feet
	360	310	360	401	LPM	27	35	38	30	38	41	Meters
	125	108	125	140	GPM	115	125	135	125	135	145	Feet
373 (page 16)	475	409	475	530	LPM	35	38	41	38	41	44	Meters
	150	130	150	168	GPM	135	145	160	140	155	165	Feet
	550	492	550	636	LPM	41	44	47	44	47	50	Meters
	200	173	200	224	GPM	130	145	160	140	155	170	Feet
	750	655	750	848	LPM	40	44	49	42	47	52	Meters
	250	217	250	280	GPM	150	160	170	160	170	180	Feet
374 (page 16)	950	821	950	1060	LPM	45	49	52	49	52	55	Meters
	200	173	200	224	GPM	140	160	170	150	170	180	Feet
	750	655	750	848	LPM	42	49	52	45	52	55	Meters
	250	217	250	280	GPM	160	170	185	170	180	195	Feet
	950	821	950	1060	LPM	49	52	56	52	55	59	Meters
	300	260	300	335	GPM	170	190	200	180	200	210	Feet
	1140	984	1140	1268	LPM	52	58	61	55	61	64	Meters

Notes

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