



PGP-12-CV-R

ءارضخ لآ اآاطس م لآ یر :ءیراآ لآ ءم الءال

ءراوآ لآ شاشر :آاآ لآ م لآ طخ

آآ لآ م لآ رارط : PGP-Ultra

نوزم لآ ب طافآ لآ ءآو : PGP12CVR

ءآرآ 360 ىلإ 50 ن م لآ ءعآ لآ لآ بآق ، م س 30 ، راوآ لآ PGP Ultra شاشر :فصولا
م م لآ ى ، ءآ لآ م لآ هآ م لآ فآر؄م ، ءاآ لآ لآ ع نام س ب ح م ، ءصوب $\frac{3}{4}$ لآ آا ءآ ف
ءى وازلا ءض ف خ ن م لآ زون ءع ب رآ و ءى س ا ق لآ زون ءى ن م لآ

Dimensions

م م 431.80 :عافآ لآ

12" :زفاق لآ عافآ لآ

م م 44.45 :رطق

م م 44.45 :فوشك م لآ رطق لآ

$\frac{3}{4}$ " :لآ آآ م لآ م آ



Operating Specifications

Arc: 50° to 360°

Operating Pressure: 4.1 إلى 7.0 bar؛ 410 إلى 700 لآك سابول ىك

Precipitation Rate: 10 م لآ / م لآ س

Radius: 4.9 إلى 14.0 م

Flow: ءق قآ ءرآ ل 36.0 ىلإ 1.2 ن م ؛ ءعاس/م 3 2.22 ىلإ 0.07 ن م

Shipping Information

UPC-A: 0611698157763

ءب ق لآ / ءى م لآ : 12

960 :ى طى ح م آول

768 :ى ص رآ آول

12 :ءى س ىر ءن وآ رآ

I-20 Blue Standard Nozzle
Performance Data - Metric (P/N 782900)

Nozzle	Pressure Bars	Pressure kPa	Radius m	Flow m3/hr	Flow l/min	Precip mm/hr	
						■	▲
1.5	1.7	172	8.8	0.27	4.5	7	8
	2.4	241	9.4	0.32	5.3	7	8
	3.1	310	9.4	0.34	5.7	8	9
	3.8	379	9.8	0.41	6.8	9	10
	4.5	448	9.8	0.43	7.2	9	10
2.0	1.7	172	10.1	0.32	5.3	6	7
	2.4	241	10.1	0.39	6.4	8	9
	3.1	310	10.4	0.45	7.6	8	10
	3.8	379	10.4	0.48	7.9	9	10
	4.5	448	9.8	0.52	8.7	11	13
2.5	1.7	172	10.1	0.39	6.4	8	9
	2.4	241	10.7	0.48	7.9	8	10
	3.1	310	10.7	0.57	9.5	10	12
	3.8	379	10.7	0.59	9.8	10	12
	4.5	448	10.7	0.66	11.0	12	13
3.0	1.7	172	10.7	0.50	8.3	9	10
	2.4	241	11.0	0.61	10.2	10	12
	3.1	310	11.6	0.68	11.4	10	12
	3.8	379	11.9	0.77	12.9	11	13
	4.5	448	11.9	0.84	14.0	12	14
4.0	1.7	172	11.3	0.68	11.4	11	12
	2.4	241	11.9	0.79	13.2	11	13
	3.1	310	12.2	0.91	15.1	12	14
	3.8	379	12.5	1.02	17.0	13	15
	4.5	448	12.5	1.09	18.2	14	16
5.0	1.7	172	11.3	0.84	14.0	13	15
	2.4	241	11.9	1.02	17.0	14	17
	3.1	310	12.8	1.14	18.9	14	16
	3.8	379	12.8	1.29	21.6	16	18
	4.5	448	12.8	1.41	23.5	17	20
6.0	1.7	172	11.6	0.98	16.3	15	17
	2.4	241	12.2	1.27	21.2	17	20
	3.1	310	13.1	1.36	22.7	16	18
	3.8	379	13.4	1.52	25.4	17	20
	4.5	448	13.4	1.66	27.6	18	21
8.0	1.7	172	11.3	1.36	22.7	21	25
	2.4	241	12.5	1.59	26.5	20	24
	3.1	310	13.4	1.82	30.3	20	23
	3.8	379	14.0	2.04	34.1	21	24
	4.5	448	14.0	2.23	37.1	23	26

BOLD = Optimum nozzle performance

Note: All precipitation rates calculated for 180 degree operation.
For the precipitation rate for a 360 degree sprinkler, divide by 2.

I-20 Low Angle Nozzle
Performance Data - Metric (P/N 782900)

Nozzle	Pressure Bars	Pressure kPa	Radius m	Flow m3/hr	Flow l/min	Precip mm/hr	
						■	▲
2.0	2.1	207	7.6	0.36	6.1	13	14
	2.8	276	8.2	0.43	7.2	13	15
	3.4	345	8.5	0.48	7.9	13	15
2.5	4.1	414	9.1	0.52	8.7	12	14
	2.1	207	8.2	0.48	7.9	14	16
	2.8	276	9.1	0.57	9.5	14	16
3.5	3.4	345	10.1	0.64	10.6	13	15
	4.1	414	10.7	0.68	11.4	12	14
	2.1	207	8.8	0.64	10.6	16	19
4.5	2.8	276	9.8	0.70	11.7	15	17
	3.4	345	10.7	0.79	13.2	14	16
	4.1	414	11.3	0.86	14.4	14	16
LA	2.1	207	8.8	0.77	12.9	20	23
	2.8	276	9.8	0.89	14.8	19	22
	3.4	345	10.7	1.00	16.7	18	20
LA	4.1	414	11.3	1.07	17.8	17	19

BOLD = Optimum nozzle performance

Note: All precipitation rates calculated for 180 degree operation.
For the precipitation rate for a 360 degree sprinkler, divide by 2.

I-20 High Flow Nozzle
Performance Data - Metric (P/N 444800)

Nozzle	Pressure Bars	Pressure kPa	Radius m	Flow m3/hr	Flow l/min	Precip mm/hr	
						■	▲
10	2.8	276	12.8	1.91	31.8	23	27
	3.4	345	13.1	2.16	36.0	25	29
	4.1	414	13.7	2.38	39.7	25	29
	4.8	483	14.3	2.59	43.1	25	29
	2.8	276	13.1	2.48	41.3	29	33
13	3.4	345	13.4	2.79	46.6	31	36
	4.1	414	13.7	3.09	51.5	33	38
	4.8	483	14.3	3.36	56.0	33	38
	2.1	207	9.4	0.95	15.9	21	25
6.0	2.8	276	10.7	1.14	18.9	20	23
LA	3.4	345	11.3	1.32	22.0	21	24
	4.1	414	11.9	1.43	23.8	20	23
	2.8	276	11.3	1.52	25.4	24	28
8.0	3.4	345	11.9	1.75	29.1	25	29
LA	4.1	414	12.5	1.93	32.2	25	29
	4.8	483	12.5	2.09	34.8	27	31

BOLD = Optimum nozzle performance

Note: All precipitation rates calculated for 180 degree operation.
For the precipitation rate for a 360 degree sprinkler, divide by 2.

PGP Ultra / I-20 Black Short Radius Nozzle Performance Data							
Nozzle	Pressure		Radius	Flow		Precip mm/hr	
	bar	kPa	m	m³/hr	l/min	■	▲
.50 SR ● Black	1.7	170	4.9	0.07	1.2	6	7
	2.0	200	5.2	0.08	1.3	6	7
	2.5	250	5.2	0.09	1.5	7	8
	3.0	300	5.2	0.10	1.7	8	9
	3.5	350	5.5	0.12	1.9	8	9
	4.0	400	5.5	0.13	2.1	8	10
1.0 SR ● Black	4.5	450	5.5	0.14	2.3	9	10
	1.7	170	4.9	0.16	2.7	14	16
	2.0	200	5.2	0.17	2.9	13	15
	2.5	250	5.2	0.19	3.2	14	17
	3.0	300	5.2	0.21	3.6	16	18
	3.5	350	5.5	0.23	3.8	15	18
2.0 SR ● Black	4.0	400	5.5	0.25	4.1	16	19
	4.5	450	5.5	0.26	4.3	17	20
	1.7	170	4.9	0.28	4.7	24	27
	2.0	200	5.2	0.31	5.2	23	27
	2.5	250	5.2	0.36	6.0	27	31
	3.0	300	5.2	0.41	6.9	31	35
.75 SR ● Black	3.5	350	5.5	0.45	7.6	30	35
	4.0	400	5.5	0.49	8.2	33	38
	4.5	450	5.5	0.53	8.9	35	41
	1.7	170	6.7	0.12	2.0	5	6
	2.0	200	7.0	0.13	2.2	5	6
	2.5	250	7.0	0.15	2.4	6	7
1.5 SR ● Black	3.0	300	7.3	0.16	2.7	6	7
	3.5	350	7.6	0.17	2.9	6	7
	4.0	400	7.6	0.19	3.1	6	7
	4.5	450	7.6	0.20	3.3	7	8
	1.7	170	6.7	0.23	3.8	10	12
	2.0	200	7.0	0.25	4.1	10	12
3.0 SR ● Black	2.5	250	7.0	0.28	4.6	11	13
	3.0	300	7.3	0.31	5.2	12	13
	3.5	350	7.6	0.34	5.6	12	13
	4.0	400	7.6	0.36	6.0	12	14
	4.5	450	7.6	0.39	6.4	13	15
	1.7	170	6.7	0.53	8.9	24	27
3.0 SR ● Black	2.0	200	7.0	0.56	9.3	23	26
	2.5	250	7.0	0.60	10.0	24	28
	3.0	300	7.3	0.64	10.7	24	28
	3.5	350	7.6	0.67	11.2	23	27
	4.0	400	7.6	0.70	11.7	24	28
	4.5	450	7.6	0.73	12.1	25	29
Notes: All precipitation rates calculated for 180 degree operation. For the precipitation rate for a 360 degree sprinkler, divide by 2.							

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