PS ULTRA

Models: **5 cm, 10 cm, 15 cm**
Inlet: **½"**

FEATURES

- Models: 5 cm, 10 cm, 15 cm
- Durable cap
- Two-piece ratcheting riser
- Male threaded riser to accept all female nozzles
- Available with flush plug (large filter screen not included)
- Extra large filter screen
- Warranty period: 2 years
- ▸ Optional check valve
- ▸ Heavy-duty spring

OPERATING SPECIFICATIONS

- Operational pressure range: 1.4 to 4.8 bar; 140 to 480 kPa

FACTORY INSTALLED OPTIONS

- Nozzles: 2.4 m, 3.0 m, 3.7 m, 4.6 m, 5.2 m, 1.5 x 9.0 m side strip (side strip pattern available on 5 cm and 10 cm models only)
- Flush plug (large filter screen not included)
- Optional extra large filter screen

USER INSTALLED OPTIONS

- Drain check valve: 10 cm and 15 cm models (up to 2 m of elevation; P/N 462237SP)
- Large inlet filter screen (replacement; P/N 162900SP)

▸ = *Advanced Feature descriptions on page 64*

PSU-02
Retracted height: 12 cm
Pop-up height: 5 cm
Exposed diameter: 3 cm
Inlet size: ½"

PSU-04
Retracted height: 18 cm
Pop-up height: 10 cm
Exposed diameter: 3 cm
Inlet size: ½"

PSU-06
Retracted height: 24 cm
Pop-up height: 15 cm
Exposed diameter: 3 cm
Inlet size: ½"

PS ULTRA – SPECIFICATION BUILDER: ORDER 1 + 2 + 3 (OPTIONAL)

1 Model	2 Nozzles	3 Optional
PSU-02 = 5 cm Pop-up	**(blank)** = Flush plug, no large filter screen	**NFO** = Nozzle filter only *(Available for 10 cm model only)* Substitute standard installation of large inlet filter screen and receive unit with the nozzle filter only.
PSU-04 = 10 cm Pop-up	**8A** = 2.4 m adjustable nozzle	
PSU-06 = 15 cm Pop-up	**10A** = 3.0 m adjustable nozzle	
	12A = 3.7 m adjustable nozzle	
	15A = 4.6 m adjustable nozzle	
	17A = 5.2 m adjustable nozzle	
	5SS = 1.5 m x 9.1 m side strip *(not available for PSU-06)*	

Examples:
PSU-04 - 15A = 10 cm pop-up, with a 4.6 m adjustable nozzle
PSU-02 - 5SS = 5 cm pop-up, with a 1.5 m x 9.0 m side strip
PSU-06 - 10A = 15 cm pop-up, with a 3.0 m adjustable nozzle
PSU-04 - 12A - NFO = 10cm Pop-up, with a 3.7m Adjustable nozzle, nozzle filter only

PS ULTRA STANDARD NOZZLES PERFORMANCE DATA

8A — Brown — 2.4 m radius, Adjustable from 0° to 360°, Trajectory: 0°

10A — Red — 3.0 m radius, Adjustable from 0° to 360°, Trajectory: 15°

12A — Green — 3.7 m radius, Adjustable from 0° to 360°, Trajectory: 28°

Arc	Pressure		8A Radius	8A Flow		8A Precip mm/hr		10A Radius	10A Flow		10A Precip mm/hr		12A Radius	12A Flow		12A Precip mm/hr	
	bar	kPa	m	m³/hr	l/min	■	▲	m	m³/hr	l/min	■	▲	m	m³/hr	l/min	■	▲
45°	1.0	100	2.0	0.04	0.62	77	89	2.6	0.04	0.68	49	56	3.2	0.04	0.73	34	40
	1.5	150	2.2	0.04	0.72	72	83	2.8	0.05	0.80	49	57	3.4	0.06	0.97	40	46
	2.1	**210**	**2.4**	**0.05**	**0.83**	**67**	**77**	**3.0**	**0.06**	**0.94**	**49**	**56**	**3.7**	**0.07**	**1.23**	**44**	**51**
	2.5	250	2.6	0.05	0.91	63	73	3.2	0.06	1.06	48	56	3.9	0.09	1.44	46	54
	3.0	300	2.9	0.06	1.01	59	68	3.5	0.07	1.18	47	54	4.1	0.10	1.68	48	56
90°	1.0	100	2.0	0.07	1.24	77	89	2.6	0.08	1.35	49	56	3.2	0.09	1.46	34	40
	1.5	150	2.2	0.09	1.44	72	83	2.8	0.10	1.61	49	57	3.4	0.12	1.93	40	46
	2.1	**210**	**2.4**	**0.10**	**1.65**	**67**	**77**	**3.0**	**0.11**	**1.89**	**49**	**56**	**3.7**	**0.15**	**2.46**	**44**	**51**
	2.5	250	2.6	0.11	1.82	63	73	3.2	0.13	2.11	48	56	3.9	0.17	2.88	46	54
	3.0	300	2.9	0.12	2.02	59	68	3.5	0.14	2.37	47	54	4.1	0.20	3.36	48	56
120°	1.0	100	2.0	0.10	1.66	77	89	2.6	0.11	1.80	49	56	3.2	0.12	1.94	34	40
	1.5	150	2.2	0.11	1.92	72	83	2.8	0.13	2.14	49	57	3.4	0.15	2.58	40	46
	2.1	**210**	**2.4**	**0.13**	**2.20**	**67**	**77**	**3.0**	**0.15**	**2.52**	**49**	**56**	**3.7**	**0.20**	**3.28**	**44**	**51**
	2.5	250	2.6	0.15	2.43	63	73	3.2	0.17	2.82	48	56	3.9	0.23	3.84	46	54
	3.0	300	2.9	0.16	2.69	59	68	3.5	0.19	3.16	47	54	4.1	0.27	4.48	48	56
180°	1.0	100	2.0	0.15	2.49	77	89	2.6	0.16	2.71	49	56	3.2	0.17	2.91	34	40
	1.5	150	2.2	0.17	2.87	72	83	2.8	0.19	3.21	49	57	3.4	0.23	3.86	40	46
	2.1	**210**	**2.4**	**0.20**	**3.30**	**67**	**77**	**3.0**	**0.23**	**3.78**	**49**	**56**	**3.7**	**0.30**	**4.92**	**44**	**51**
	2.5	250	2.6	0.22	3.65	63	73	3.2	0.25	4.23	48	56	3.9	0.35	5.76	46	54
	3.0	300	2.9	0.24	4.03	59	68	3.5	0.28	4.73	47	54	4.1	0.40	6.71	48	56
240°	1.0	100	2.0	0.20	3.32	77	89	2.6	0.22	3.61	49	56	3.2	0.23	3.88	34	40
	1.5	150	2.2	0.23	3.83	72	83	2.8	0.26	4.28	49	57	3.4	0.31	5.15	40	46
	2.1	**210**	**2.4**	**0.26**	**4.40**	**67**	**77**	**3.0**	**0.30**	**5.03**	**49**	**56**	**3.7**	**0.39**	**6.56**	**44**	**51**
	2.5	250	2.6	0.29	4.86	63	73	3.2	0.34	5.64	48	56	3.9	0.46	7.68	46	54
	3.0	300	2.9	0.32	5.38	59	68	3.5	0.38	6.31	47	54	4.1	0.54	8.95	48	56
270°	1.0	100	2.0	0.22	3.73	77	89	2.6	0.24	4.06	49	56	3.2	0.26	4.37	34	40
	1.5	150	2.2	0.26	4.31	72	83	2.8	0.29	4.82	49	57	3.4	0.35	5.80	40	46
	2.1	**210**	**2.4**	**0.30**	**4.95**	**67**	**77**	**3.0**	**0.34**	**5.66**	**49**	**56**	**3.7**	**0.44**	**7.38**	**44**	**51**
	2.5	250	2.6	0.33	5.47	63	73	3.2	0.38	6.34	48	56	3.9	0.52	8.65	46	54
	3.0	300	2.9	0.36	6.05	59	68	3.5	0.43	7.10	47	54	4.1	0.60	10.07	48	56
360°	1.0	100	2.0	0.30	4.97	77	89	2.6	0.32	5.41	49	56	3.2	0.35	5.83	34	40
	1.5	150	2.2	0.34	5.75	72	83	2.8	0.39	6.43	49	57	3.4	0.46	7.73	40	46
	2.1	**210**	**2.4**	**0.40**	**6.61**	**67**	**77**	**3.0**	**0.45**	**7.55**	**49**	**56**	**3.7**	**0.59**	**9.84**	**44**	**51**
	2.5	250	2.6	0.44	7.29	63	73	3.2	0.51	8.45	48	56	3.9	0.69	11.53	46	54
	3.0	300	2.9	0.48	8.07	59	68	3.5	0.57	9.47	47	54	4.1	0.81	13.43	48	56

Bold = Recommended pressure

PS ULTRA STANDARD NOZZLES PERFORMANCE DATA

15A ● Black — 4.6 m radius, Adjustable from 0° to 360°, Trajectory: 28°

17A ● Grey — 5.2 m radius, Adjustable from 0° to 360°, Trajectory: 28°

Arc	Pressure		15A Radius	15A Flow		15A Precip mm/hr		17A Radius	17A Flow		17A Precip mm/hr	
	bar	kPa	m	m³/hr	l/min	■	▲	m	m³/hr	l/min	■	▲
45°	1.0	100	4.0	0.08	1.27	38	43	4.6	0.10	1.68	38	43
	1.5	150	4.3	0.09	1.51	39	45	4.9	0.12	1.94	38	44
	2.1	**210**	**4.6**	**0.11**	**1.79**	**40**	**46**	**5.2**	**0.13**	**2.23**	**39**	**45**
	2.5	250	4.9	0.12	2.00	40	46	5.5	0.15	2.46	39	45
	3.0	300	5.2	0.14	2.25	40	46	5.8	0.16	2.72	39	45
90°	1.0	100	4.0	0.15	2.53	38	43	4.6	0.20	3.36	38	43
	1.5	150	4.3	0.18	3.03	39	45	4.9	0.23	3.88	38	44
	2.1	**210**	**4.6**	**0.21**	**3.57**	**40**	**46**	**5.2**	**0.27**	**4.45**	**39**	**45**
	2.5	250	4.9	0.24	4.01	40	46	5.5	0.30	4.92	39	45
	3.0	300	5.2	0.27	4.50	40	46	5.8	0.33	5.44	39	45
120°	1.0	100	4.0	0.20	3.38	38	43	4.6	0.27	4.48	38	43
	1.5	150	4.3	0.24	4.03	39	45	4.9	0.31	5.17	38	44
	2.1	**210**	**4.6**	**0.29**	**4.76**	**40**	**46**	**5.2**	**0.36**	**5.94**	**39**	**45**
	2.5	250	4.9	0.32	5.34	40	46	5.5	0.39	6.56	39	45
	3.0	300	5.2	0.36	6.00	40	46	5.8	0.43	7.25	39	45
180°	1.0	100	4.0	0.30	5.07	38	43	4.6	0.40	6.71	38	43
	1.5	150	4.3	0.36	6.05	39	45	4.9	0.47	7.75	38	44
	2.1	**210**	**4.6**	**0.43**	**7.14**	**40**	**46**	**5.2**	**0.53**	**8.91**	**39**	**45**
	2.5	250	4.9	0.48	8.02	40	46	5.5	0.59	9.83	39	45
	3.0	300	5.2	0.54	9.00	40	46	5.8	0.65	10.87	39	45
240°	1.0	100	4.0	0.41	6.76	38	43	4.6	0.54	8.95	38	43
	1.5	150	4.3	0.48	8.07	39	45	4.9	0.62	10.34	38	44
	2.1	**210**	**4.6**	**0.57**	**9.52**	**40**	**46**	**5.2**	**0.71**	**11.88**	**39**	**45**
	2.5	250	4.9	0.64	10.69	40	46	5.5	0.79	13.11	39	45
	3.0	300	5.2	0.72	12.00	40	46	5.8	0.87	14.50	39	45
270°	1.0	100	4.0	0.46	7.60	38	43	4.6	0.60	10.07	38	43
	1.5	150	4.3	0.54	9.08	39	45	4.9	0.70	11.63	38	44
	2.1	**210**	**4.6**	**0.64**	**10.71**	**40**	**46**	**5.2**	**0.80**	**13.36**	**39**	**45**
	2.5	250	4.9	0.72	12.03	40	46	5.5	0.89	14.75	39	45
	3.0	300	5.2	0.81	13.50	40	46	5.8	0.98	16.31	39	45
360°	1.0	100	4.0	0.61	10.13	38	43	4.6	0.81	13.43	38	43
	1.5	150	4.3	0.73	12.10	39	45	4.9	0.93	15.51	38	44
	2.1	**210**	**4.6**	**0.86**	**14.28**	**40**	**46**	**5.2**	**1.07**	**17.82**	**39**	**45**
	2.5	250	4.9	0.96	16.03	40	46	5.5	1.18	19.67	39	45
	3.0	300	5.2	1.08	18.00	40	46	5.8	1.30	21.75	39	45

Bold = Recommended pressure

STRIP PATTERN NOZZLE PERFORMANCE DATA

Model	Pressure		Width x Length	Flow	
	bar	kPa	m	m³/hr	l/min
SS-530	1.0	100	1.2 x 8.5	0.21	3.5
	1.5	150	1.5 x 9.0	0.25	4.2
	2.0	200	1.5 x 9.0	0.29	4.9
	2.1	**210**	**1.5 x 9.1**	**0.30**	**5.0**
	2.5	250	1.5 x 9.1	0.33	5.5

Bold = Recommended pressure