



PC Screen

Pressure Compensating Screen

SPECIFICATION: Part # PCS-020, PCS-025, PCS-030, PCS-040, PCS-060 and PCS-090

Features

- Pressure Compensating Screen, to control spray distribution
- Color Coded Flow Control Element
- Self Sealing Material Eliminates Blow-by
- Compatible with all industry spray nozzles
- Cone Body Style Upgrade Eliminates Flow Restriction

Specifications

PCS-020, PCS-025, PCS-030, PCS-040, PCS-060 and PCS-090

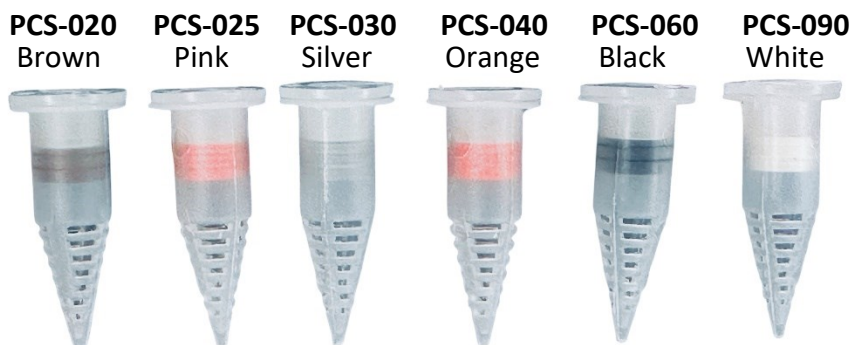
The PC Screen shall pressure compensate between the pressures of 20psi and 90psi (1,5 to 6,0 bar) to provide the stated discharge flow regardless of the brand or pattern of the spray nozzle. The PC Screen assembly shall have a plastic inlet filter screen to protect the nozzle against clogging. The pressure compensating screen shall be of a permanently assembled design constructed of durable, UV-resistant plastic with an integral flow washer manufactured from SP777 engineering grade polymer. The pressure compensating screen shall fit in all brands of spray nozzles with female threads. The PC Screen shall be manufactured by GPH Irrigation, Fontana, CA.

Dimensions

1.3 inch length

3.9 inch body diameter

.55 inch flange diameter



GPH Irrigation PCS Performance as tested on Rainbird™ Nozzles

Flow (gpm) m ³ /h (l/m)	PCS-020 (Brown)		PCS-025 (Pink)		PCS-030 (Silver)		PCS-040 (Orange)		PCS-060 (Black)	
	0.2		0.25		0.3		0.4		0.6	
	0.05 (60)		0.06 (72)		0.07 (84)		0.09 (108)		0.14 (144)	
Distance	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
U-Series										
U-8Q	6	(1.8)	7	(2.1)						
U-8H	4	(1.2)	5	(1.5)						
U-8F					1	(0.3)	3	(0.9)	7	(2.1)
U-10Q	5	(1.5)	6	(1.8)	10'	(3.1)				
U-10H					5	(1.5)	6	(1.8)	8	(2.4)
U-10F									4	(1.2)
U-12Q	2'	(0.6)	4	(1.2)	7'	(2.1)	12'	(3.7)		
U-12H					3'	(0.9)	4'	(1.2)	7'	(2.1)
U-12F							3'	(0.9)	6'	(1.8)
U-15Q			3'	(0.9)	6'	(1.8)	11'	(3.4)	15'	(4.6)
U-15H					2'	(0.6)	3'	(0.9)	5'	(1.5)
U-15F									4'	(1.2)
VAN										
4 (90°)	1'	(0.3)			3'	(0.9)	4'	(1.2)		
4 (180°)			1'	(0.3)	2'	(0.6)	3'	(0.9)	4'	(1.2)
4 (270°)					1'	(0.3)	2'	(0.6)	4'	(1.2)
4 (330°)					1'	(0.3)	2'	(0.6)	4'	(1.2)
6 (90°)			2'	(0.6)	3'	(0.9)	6'	(1.8)		
6 (180°)					2'	(0.6)	4'	(1.2)	6'	(1.8)
6 (270°)					0.5'	(0.2)	1'	(0.3)	3'	(0.9)
6 (330°)					0.5'	(0.2)	1'	(0.3)	3'	(0.9)
8 (90°)					1'	(0.3)	3'	(0.9)	8'	(2.4)
8 (180°)					0.5'	(0.2)	2'	(0.6)	4'	(1.2)
8 (270°)							0.5'	(0.2)	3'	(0.9)
8 (330°)							0.5'	(0.2)	3'	(0.9)
10 (90°)					3'	(0.9)	5'	(1.5)	10'	(3.1)
10 (180°)							1'	(0.3)	5'	(1.5)
10 (270°)							1'	(0.3)	4'	(1.2)
10 (360°)					0.5'	(0.2)	1'	(0.3)	4'	(1.2)
12 (90°)	3'	(0.9)			8'	(2.4)	10'	(3.1)	12'	(3.7)
12 (180°)					1'	(0.3)	2'	(0.6)	5'	(1.5)
12 (270°)					0.5'	(0.2)	1'	(0.3)	3'	(0.9)
12 (360°)							1'	(0.3)	3'	(0.9)
15 (90°)					2'	(0.6)	5'	(1.5)	11'	(3.4)
15 (180°)					1'	(0.3)	3'	(0.9)	6'	(1.8)
15 (270°)										
15 (360°)										
18 (90°)					0.5'	(0.2)	2'	(0.6)	6'	(1.8)
18 (180°)							1'	(0.3)	3'	(0.9)
18 (270°)							0.5'	(0.2)	1'	(0.3)
18 (330°)							0.5'	(0.2)	1'	(0.3)
MPR										
5Q										
5T										
5H	5'	(1.5)	6'	(1.8)						
5F					5'	(1.5)				
8Q	8'	(2.4)	10'	(3.1)						
8T	6'	(1.8)	6.5'	(2.0)	7'	(2.1)	8'	(2.4)		
8H	5'	(1.5)	6'	(1.8)	7'	(2.1)	8'	(2.4)		
8F					2'	(0.6)	3'	(0.9)	8'	(2.4)
10Q	6'	(1.8)	8'	(2.4)	8'	(2.4)	10'	(3.1)		
10T	4'	(1.2)	5'	(1.5)	9'	(2.7)	10'	(3.1)		
10H	3'	(0.9)	4'	(1.2)	6'	(1.8)	8'	(2.4)	10'	(3.1)
10F							1'	(0.3)	4'	(1.2)
12Q	3'	(0.9)	7'	(2.1)	8'	(2.4)	11'	(3.4)	12'	(3.7)
12T	2'	(0.6)	4'	(1.2)	6'	(1.8)	10'	(3.1)	11'	(3.4)
12H					4'	(1.2)	6'	(1.8)	10'	(3.1)
12TT					2'	(0.6)	4'	(1.2)	6'	(1.8)
12TQ					2'	(0.6)	3'	(0.9)	6'	(1.8)
12F							2'	(0.6)	5'	(1.5)
15Q	3'	(0.9)	4'	(1.2)	5'	(1.5)	9'	(2.7)	12'	(3.7)
15T			2'	(0.6)	5'	(1.5)	7'	(2.1)	12'	(3.7)
15H					3'	(0.9)	4'	(1.2)	7'	(2.1)
15TT					1'	(0.3)	2'	(0.6)	4'	(1.2)
15TQ										
15F										
Bubbler										
5Q-B	2'	(0.6)	3	(0.9)	4'	(1.2)	5'	(1.5)		
5H-B					1'	(0.3)	2'	(0.6)	5'	(1.5)
5F-B							1'	(0.3)	2'	(0.6)
5CST-B	1'	(0.3)	2	(0.6)	3'	(0.9)	5'	(1.5)		
Strip										
9SST										
15CST							4' x 12'	(1.2 x 3.7)	4' x 24'	(1.2 x 7.3)
15SST							2' x 10'	(0.6 x 3.1)	3' x 20'	(0.9 x 6.1)
15EST					3' x 12'	(0.9 x 3.7)	4' x 15'	(1.2 x 4.6)		
15LCS	1' x	(0.3 x 1.5)	1' x 7'	(0.3 x 2.1)	1' x 12'	(0.3 x 3.7)				
15RCS	1' x	(0.3 x 1.5)	1' x 7'	(0.3 x 2.1)	1' x 12'	(0.3 x 3.7)				

Blue green type indicates recommended nozzle/screen combination to achieve stated performance at 30 psi (2.1 bar)
www.gphirrigation.com

Blue type indicates satisfactory nozzle/screen

Black type indicates a nozzle/screen combination that provides a throw reduction of more than 50%. With these nozzle/screen combinations a uniform spray

Note: Screens were tested at 30 psi (2.1 bar) for 10 minutes prior to taking distance measurements. Distances may vary slightly with higher pressures and longer run-times

GPH Irrigation PCS Performance as tested on Hunter Nozzles

Flow (gpm) m ³ /h (l/m)	PCS-020 (Brown) 0.2 0.05 (60)		PCS-025 (Pink) 0.25 0.06 (72)		PCS-030 (Silver) 0.3 0.07 (84)		PCS-040 (Orange) 0.4 0.09 (108)		PCS-060 (Black) 0.6 0.14 (144)		
	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	
	Distance										
Pro Adjustable	4A(0° - 360°)	1'	(0.3)			3'	(0.9)	4'	(1.2)		
	4A(0° - 360°)			1'	(0.3)	2'	(0.6)	3'	(0.9)	4'	(1.2)
	4A(0° - 360°)					1'	(0.3)	2'	(0.6)	4'	(1.2)
	4A(0° - 360°)					1'	(0.3)	2'	(0.6)	4'	(1.2)
	6A(0° - 360°)			2'	(0.6)	3'	(0.9)	6'	(1.8)		
	6A(0° - 360°)					2'	(0.6)	4'	(1.2)	6'	(1.8)
	6A(0° - 360°)					0.5'	(0.2)	1'	(0.3)	3'	(0.9)
	6A(0° - 360°)					0.5'	(0.2)	1'	(0.3)	3'	(0.9)
	8A(0° - 360°)					1'	(0.3)	3'	(0.9)	8'	(2.4)
	8A(0° - 360°)					0.5'	(0.2)	2'	(0.6)	4'	(1.2)
	8A(0° - 360°)							0.5'	(0.2)	3'	(0.9)
	8A(0° - 360°)							0.5'	(0.2)	3'	(0.9)
	10A(0° - 360°)					3'	(0.9)	5'	(1.5)	10'	(3.1)
	10A(0° - 360°)							1'	(0.3)	5'	(1.5)
	10A(0° - 360°)							1'	(0.3)	4'	(1.2)
	10A(0° - 360°)					0.5'	(0.2)	1'	(0.3)	4'	(1.2)
	12A(0° - 360°)	3'	(0.9)			8'	(2.4)	10'	(3.1)	12'	(3.7)
	12A(0° - 360°)					1'	(0.3)	2'	(0.6)	5'	(1.5)
	12A(0° - 360°)					0.5'	(0.2)	1'	(0.3)	3'	(0.9)
	12A(0° - 360°)							1'	(0.3)	3'	(0.9)
15A(0° - 360°)					2'	(0.6)	5'	(1.5)	11'	(3.4)	
15A(0° - 360°)					1'	(0.3)	3'	(0.9)	6'	(1.8)	
15A(0° - 360°)											
15A(0° - 360°)											
17A(0° - 360°)					0.5'	(0.2)	2'	(0.6)	6'	(1.8)	
17A(0° - 360°)							1'	(0.3)	3'	(0.9)	
17A(0° - 360°)							0.5'	(0.2)	1'	(0.3)	
17A(0° - 360°)							0.5'	(0.2)	1'	(0.3)	
Pro Fixed Nozzle	5Q										
	5T										
	5H	5'	(1.5)	6'	(1.8)						
	5F					5'	(1.5)				
	8Q	8'	(2.4)	10'	(3.1)						
	8T	6'	(1.8)	6.5'	(2.0)	7'	(2.1)	8'	(2.4)		
	8H	5'	(1.5)	6'	(1.8)	7'	(2.1)	8'	(2.4)		
	8F					2'	(0.6)	3'	(0.9)	8'	(2.4)
	10Q	6'	(1.8)	8'	(2.4)	8'	(2.4)	10'	(3.1)		
	10T	4'	(1.2)	5'	(1.5)	9'	(2.7)	10'	(3.1)		
	10H	3'	(0.9)	4'	(1.2)	6'	(1.8)	8'	(2.4)	10'	(3.1)
	10F							1'	(0.3)	4'	(1.2)
	12Q	3'	(0.9)	7'	(2.1)	8'	(2.4)	11'	(3.4)	12'	(3.7)
	12T	2'	(0.6)	4'	(1.2)	6'	(1.8)	10'	(3.1)	11'	(3.4)
	12H					4'	(1.2)	6'	(1.8)	10'	(3.1)
	12F							2'	(0.6)	5'	(1.5)
	15Q	3'	(0.9)	4'	(1.2)	5'	(1.5)	9'	(2.7)	12'	(3.7)
15T			2'	(0.6)	5'	(1.5)	7'	(2.1)	12'	(3.7)	
15H					3'	(0.9)	4'	(1.2)	7'	(2.1)	
15F											
Strip Nozzle	LCS-515							5' x 15'	(1.2 x 3.7)	4' x 24'	(1.2 x 7.3)
	RCS-515							5' x 15'	(0.6 x 3.1)	3' x 20'	(0.9 x 6.1)
	PS-530					3' x 12'	(0.9 x 3.7)	4' x 15'	(1.2 x 4.6)		

Bold green type indicates recommended nozzle/screen combination to achieve catalog performance at 30 psi (2.1 bar)
www.gphirrigation.com

Bold blue type indicates satisfactory nozzle/screen combination

Black type indicates a nozzle/screen combination that provides a throw reduction of more than 50%. With these nozzle/screen combinations a uniform spray

Note: Screens were tested at 50 psi (3.5 bar) for 10 minutes prior to taking distance measurements. Distances may vary slightly with higher pressures and longer run-times



Drip Irrigation

- +866-582-9684
- www.gphirrigation.com
- gphdrip
- 15372 Valencia Ave. Fontana, CA. 92335