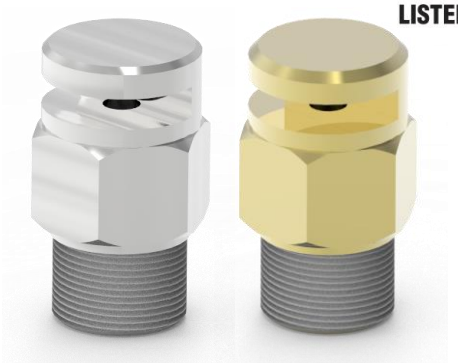
WINDOW NOZZLE

Water curtain nozzle

BW-1/2- K20, K30, K42, K58 & K79



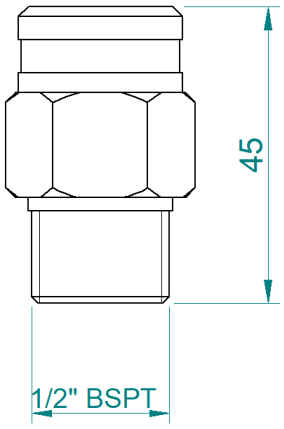
PRODUCT DESCRIPTION

The AG Fire Sprinkler windows nozzles model BW-1 & BW-2 are especially designed for external use. It is usually installed in locations where a blanket of water is desired over a predetermined area. Open Nozzle systems can be operated manually or by quick opening valves that are pneumatically, hydraulically or electrically controlled.

TECHNICAL DATA

Model	BW-1: Brass BW-2: Stainless Steel
Maximum Working Pressure	12 bar (175 psi)
Effective Working Pressure	1.4 bar to 3.5 bar (20 psi to 50 psi)
End connection	1/2” BSPT (1/2” NPT Optional)
K-Factor	K20, K32, K42, K58 & K79
Weight (Approx.)	0,180 Kg

DIMENSIONS



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INSTALLATION AND MAINTENANCE

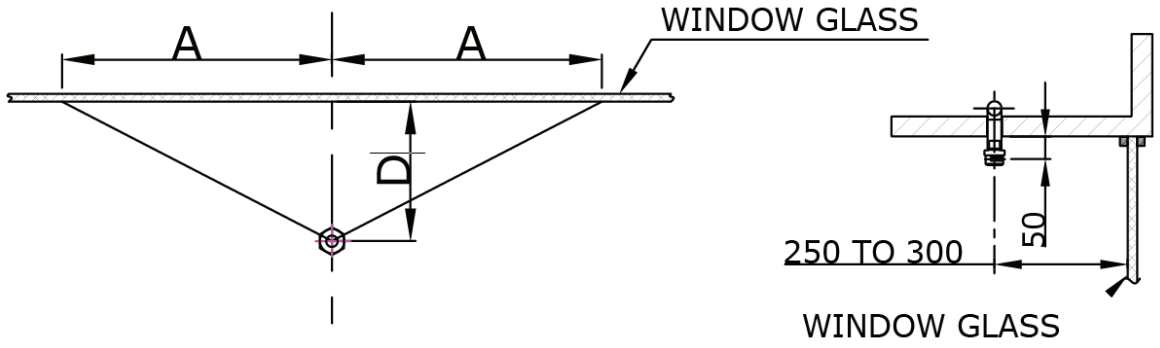
To get the best results of the nozzle it must be storage at the original packing and when unpacked handle it with too much care. If is shown any damage at the nozzle it shouldn't be installed.

It is necessary to use Teflon or another sealing product at the male thread of the nozzle. If it is applied an excessive torque it would cause a serious damage at the nozzle that may affect the nozzle spray pattern and its performance.

It is totally recommended to check the installation, especially the nozzle by an authorized technician. Any obstruction, external or internal, has to be checked. The nozzle has to be cleaned or replaced if it was necessary.

The owner is the only responsible for maintaining the water spray system and its components.

SPRAY CHARACTERISTICS



TOP VIEW

SIDE VIEW

K20						
DISTANCE D (mm)	250	300	600	900	1200	1500
PRESSURE (psi)	DISTANCIA A (mm)					
7	1050	1350	2400	3300	3900	3900
15	1800	2100	2700	4050	4050	3900
25	3000	3000	2850	4200	4350	3900
30	3000	3000	3000	4200	4350	4050
50	3000	3150	3300	4500	4500	4050
57	3000	3450	3300	4500	4500	4050

K32						
DISTANCE D (mm)	250	300	600	900	1200	1500
PRESSURE (psi)	DISTANCE A (mm)					
7	1200	1800	2550	3750	3600	3600
15	2100	2400	3000	4200	4200	3600
25	3150	2700	3300	4500	4350	3750
30	3300	2850	3600	4650	4500	3750
50	3300	3300	3900	4800	4500	4050
57	3300	3300	3900	4800	4650	4050

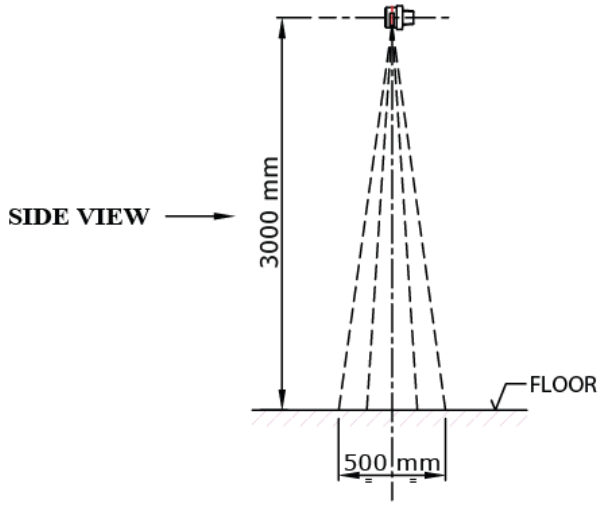
K42						
DISTANCE D (mm)	250	300	600	900	1200	1500
PRESSURE (psi)	DISTANCE A (mm)					
7	1650	2250	2550	2775	3750	2550
15	2400	2850	2850	3075	3900	4350
25	3600	3300	3300	3150	4350	4500
30	3600	3900	4200	3300	4350	4500
50	3750	4200	4650	3450	4500	4650
57	3900	4200	4800	3750	4500	4650

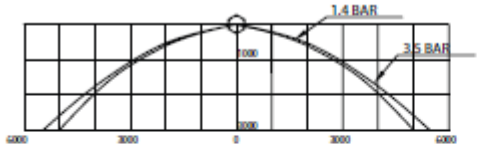
K58						
DISTANCE D (mm)	250	300	600	900	1200	1500
PRESSURE (psi)	DISTANCE A (mm)					
7	2100	2250	3150	3450	4050	2700
15	2550	3000	3900	4500	4800	4350
25	3900	4200	4200	4800	5100	4500
30	3900	4650	4500	4800	5100	4650
50	4200	4650	4800	4985	5400	4650
57	4200	4650	4800	5175	5400	4800

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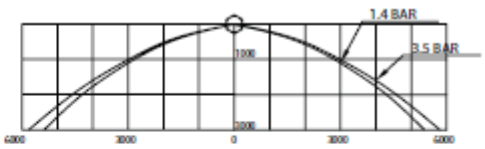
K79						
DISTANCE D (mm)	250	300	600	900	1200	1500
PRESSURE (psi)	DISTANCE A (mm)					
7	2550	2550	3450	3600	3450	2850
15	3600	3900	4350	4350	4800	4200
25	3900	4050	4350	4950	4950	4500
30	4200	4500	4650	5250	5250	4500
50	4200	4800	4800	5400	5400	4650
57	4200	4800	4800	5400	5400	4800

SPRAY PATTERNS – HORIZONTAL INSTALLATION

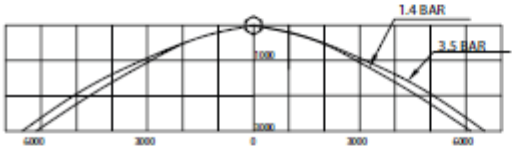




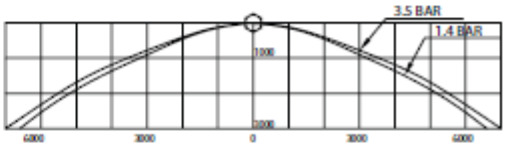
K20



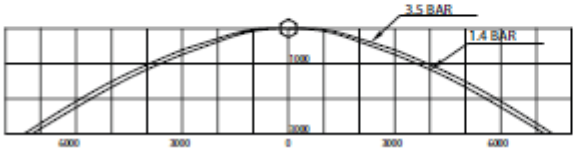
K32



K42



K58



K79

SIDE VIEW

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ORDERING INFORMATION

	MATERIAL	
K FACTOR	BRASS	STAINLESS STEEL
20 (1.4)	BW115UL020	BW215UL020
32 (2.24)	BW115UL020	BW215UL020
42 (2.94)	BW115UL020	BW215UL020
58 (4.12)	BW115UL020	BW215UL020
79 (5.53)	BW115UL020	BW215UL020

Specify:

Nozzle Model	
Quantity	
Type of nozzle	
Orifice size	
K factor	
Pressure	

The equipment presented in this bulletin is to be installed in accordance with the latest published Standard of the National Fire Protection Association, Factory Mutual Research Corporation, or other similar organizations and also with the provisions of governmental codes or ordinances whenever applicable.
This documentation is not contractual. AG Fire Sprinkler reserves the right to any kind of change without notice.

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