

# HydroPulse®

Food Grade Hygienic Design/ EHP and Industrial Design/ EHPI

## DESIGN FEATURES

- Interchangeable spray tips
- Electrically actuated for crisp on/off spray
- Mounting brackets available
- EHP features straight through porting for in-series set-up

## SPRAY CHARACTERISTICS

- Precision volume sprays directly on the target
- Reduced waste and minimal overspray maintain a clean, safe environment
- Uniform and repeatable coverage improves product consistency

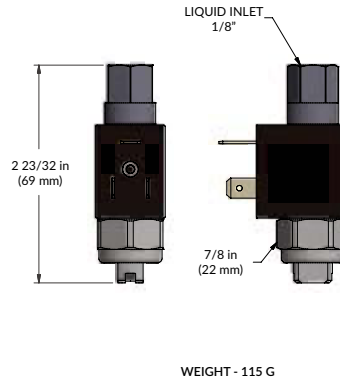
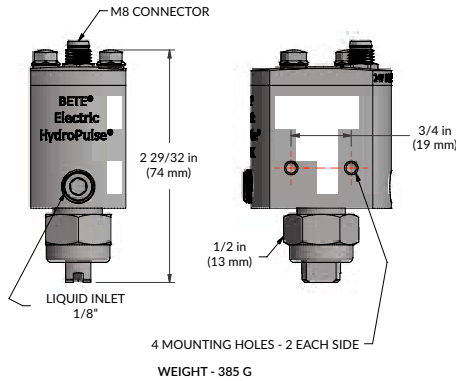
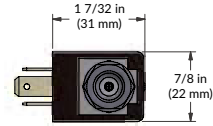
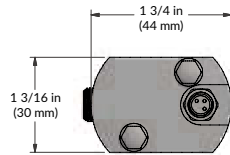
**Spray pattern:** Spray Patterns: Flat Fan, Full Cone, Hollow Cone

**Spray angles:** 0° to 120°

**Flow rate:** 0.038 to 3.8 L/min



AUTOMATIC



## Flow Rates of BJ (Fan) Tips on EHP and EHPI Bodies, L/min\*

0°, 15°, 25°, 40°, 50°, 65°, 80°, 95°, 110° Spray Angles, Standard Materials 303 and 316 Stainless Steel




Nozzle	Nozzle Inlet Pressure, bar							
	0.3	0.5	1	2	3	5	10	15
**BJ0067	0.083	0.11	0.15	0.21	0.26	0.34	0.49	0.61
BJ01	0.12	0.16	0.22	0.31	0.38	0.49	0.72	0.87
BJ015	0.18	0.23	0.33	0.45	0.57	0.76	1.1	1.3
BJ02	0.23	0.3	0.42	0.61	0.76	0.98	1.4	1.7
BJ03	0.34	0.45	0.61	0.87	1.1	1.4	2	2.5
BJ04	0.42	0.57	0.79	1.1	1.4	1.8	2.5	3.1
BJ05	0.53	0.68	0.95	1.3	1.6	2	2.9	3.5
BJ06	0.61	0.76	1.1	1.5	1.8	2.3	3.2	3.8
BJ08	0.72	0.91	1.2	1.7	2	2.6	3.6	
BJ10	0.79	0.98	1.4	1.9	2.2	2.8	3.8	
BJ15	0.95	1.1	1.5	2	2.4	3	3.8	
BJ20	0.98	1.2	1.6	2.1	2.5	3.1		
BJ30	1.1	1.3	1.7	2.2	2.6	3.1		

\*\*Only available in angles up to and including 65°

TO ORDER: specify pipe size, connection type, nozzle number, spray angle, and material.





**Flow Rates of CW (Full or Hollow Cone) Tips on EHP and EHPI Bodies, L/min\***  
 80° and 120° Spray Angles, Standard Materials 303 and 316 Stainless Steel

	Nozzle Inlet Pressure, bar								
	0.3	0.5	1	2	3	5	10	15	
CW-25F	0.31	0.38	0.53	0.76	0.91	1.2	1.7	2	
CW-50F	0.53	0.68	0.95	1.3	1.6	2	2.8	3.4	
CW-75F	0.72	0.91	1.2	1.7	2	2.6	3.5		
CW-100F	0.83	1	1.4	1.9	2.2	2.8	3.8		
									
CW-25H	0.31	0.38	0.53	0.76	0.91	1.2	1.7	2	
CW-50H	0.53	0.68	0.95	1.3	1.6	2	2.8	3.4	
CW-75H	0.72	0.91	1.2	1.7	2	2.6	3.5		
CW-100H	0.83	1	1.4	1.9	2.2	2.8	3.8		

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**Flow Rates of BJH (Fan) Tips on EHP and EHPI Bodies, L/min\***

5° to 120° Spray Angles, Tungsten Carbide Insert with 303 Stainless Steel Housing

	Nozzle Inlet Pressure, bar					
	2	3	5	10	15	
BJH-0.18			0.038	0.057	0.068	
BJH-0.28			0.098	0.14	0.17	
BJH-0.38			0.18	0.25	0.31	
BJH-0.45	0.16	0.19	0.25	0.35	0.42	
BJH-0.53	0.21	0.26	0.33	0.45	0.57	
BJH-0.66	0.33	0.42	0.53	0.72	0.91	
BJH-0.78	0.45	0.57	0.72	1	1.2	
BJH-0.89	0.57	0.72	0.91	1.3	1.6	
BJH-0.99	0.72	0.87	1.1	1.6	2	
BJH-1.14	0.95	1.1	1.5	2	2.5	
BJH-1.29	1.1	1.4	1.8	2.5	3	
BJH-1.45	1.4	1.7	2.1	2.9	3.5	
BJH-1.60	1.5	1.9	2.3	3.2	3.8	
BJH-1.80	1.7	2	2.6	3.5		
BJH-1.91	1.8	2.2	2.7	3.7		

*Tungsten carbide orifice inserts for maximum wear resistance and service life.*

\* Maximum flows shown above. Flow rates can be turned down to 5% of listed value using PWM (Pulse Width Modulation). Contact BETE for details.

Call for the name of your nearest BETE representative.

CALL 413-772-0846