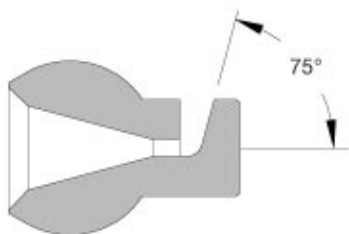


**BFL FLOODING
SPRAY NOZZLE
BALLS**

(for 1", 1-1/4", 1-1/2" and 2" pipe)



SPRAY CHARACTERISTICS:

A wide, flat shaped spray with low impact. The spray is deflected 75° from the centerline of the nozzle, as shown.

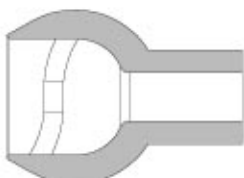
TYPICAL APPLICATIONS:

Flooding nozzles are often used at the beginning and end of phosphate stages, to prevent mist carry over. They can also be used for "wetting" surfaces during long drain stages.

MODEL NUMBER	EQUIV ORIFICE DIAMETER (mm)	CAPACITY (L/min) AT VARIOUS PRESSURES (bar)										SPRAY ANGLE @	
		0.2 bar	0.3 bar	0.5 bar	0.7 bar	1 bar	1.5 bar	2 bar	2.5 bar	3 bar	4 bar	0.5 bar	1.5 bar
BFL5	1.93	1.02	1.25	1.61	1.91	2.28	2.79	3.2	3.6	3.9	4.6	114°	130°
BFL10	2.79	2.04	2.50	3.2	3.8	4.6	5.6	6.4	7.2	7.9	9.1	134°	146°
BFL18	3.78	3.7	4.5	5.8	6.9	8.2	10.0	11.6	13.0	14.2	16.4	130°	142°
BFL24	4.24	4.9	6.0	7.7	9.2	10.9	13.4	15.5	17.3	18.9	21.9	121°	136°
BFL30	4.65	6.1	7.5	9.7	11.4	13.7	16.7	19.3	21.6	23.7	27.3	120°	133°
BFL40	5.54	8.2	10.0	12.9	15.3	18.2	22.3	25.8	28.8	31.6	36	130°	144°

**BPH HOLLOW CONE
PHOSPHATING
NOZZLE BALLS**

(for 1", 1-1/4", 1-1/2" and 2" pipe)



SPRAY CHARACTERISTICS:

A hollow cone pattern with low impact. BPH nozzle balls are made of glass reinforced polypropylene. Available in three models.

TYPICAL APPLICATIONS:

Designed specifically for phosphate stages. This large droplet, low impact spray results in tighter and more consistent phosphate crystalline structure. It minimizes the misting of phosphate spray, thus reducing 'pre-coating', streaking, and carry over to adjacent stages.

MODEL NUMBER	SPRAY BALL COLOR	MAXIMUM FREE PASSAGE (mm)	CAPACITY (L/min) AT VARIOUS PRESSURES (bar)										SPRAY ANGLE @			
			0.2 bar	0.3 bar	0.5 bar	0.7 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	0.3 bar	0.5 bar	0.7 bar	1.5 bar	
BPH28	White	4.56	5.7	7.0	9.0	10.7	12.8	15.6	18.0	22.1	25.5	44°	52°	53°	55°	
BPH51	Grey	1.91	10.2	12.5	16.1	19.1	22.8	27.9	32.2	39	46	37°	40°	42°	48°	
BPH53	Black	3.78	10.2	12.5	16.1	19.1	22.8	27.9	32.2	39	46	62°	70°	71°	73°	

**KPLUG SHUT-OFF
PLUG**



TYPICAL APPLICATIONS:

The KPLUG nozzle ball is used in place of any other nozzle ball to completely shut off the flow through the assembly.

QUICK DISCONNECT