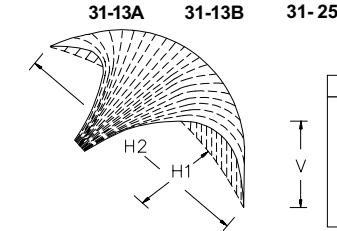
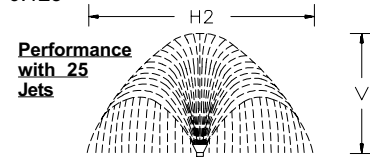


The **PEM31** Finger Jets have a large clean out access cover. **PEM 31** are made of cast bronze and brass, stainless steel fitted. Performances with 13 Jets are appr. 50% of: H, H2 & FL, 100% of other dimensions. Finger Jets require perfect suction straining, **SS: 2.4mm \ 0.125"**



V= Vertical	H2	FL	MC
m	m	L	m
0.5	1.6	28	1.5
1.0	2.4	44	2.4
1.5	3.8	59	3.4
2.0	5.4	73	5.0
Ft	Inches	G	Ft
2	47"	8.2	5.4
3	91"	10.6	7.4
4	122"	13.3	9.4
5	154"	15.6	11.5
6	189"	17.7	14.7

V = 45°	H1	H2	FL	MC
m	m	m	L	m
0.4	1.0	1.5	27	1.0
0.6	1.5	2.5	35	1.7
0.7	2.0	3.5	44	2.2
0.9	3.0	4.5	66	3.7
Ft	Inches	Inches	G	Ft
1	31"	43"	6.4	2.9
2	63"	102"	9.6	5.7
3	122"	181"	17.5	12.4
4	205"	291"	25.2	22.7

#	PEM	T	Y	OV	OD (All)
505-1010	31-13A	1"	13	157mm\6.180"	152mm\6.000"
505-0120	31-13A+541	1"	13	210mm\8.250"	x
505-1030	31-13B	1"	13	157mm\6.180"	29mm\ 1.140"
505-1040	31-13B+541	1"	13	210mm\8.250"	
505-1110	31-25	1"	25	157mm\6.180"	
505-1120	31-25+541	1"	25	210mm\8.250"	

**DIMENSIONS :**

**#505-1000**

**PEM 31 FINGER JETS**



**31-13A**  
Nozzles in double row

**31- 25**  
Nozzles in double row



**31-13B/ 541**  
Nozzles in single row

**31-25/ 541**  
Nozzles in double row

**PEM 32** Spray Apron Spray Heads are designed to be cast into concrete, flush with surface installation in unsupervised public playgrounds. The spray head is vandal resistant, requires a special wrench to remove nozzle plate from the body. For ease of installation, the spray heads are to be mounted upon **PEM 538**, 3/4" swivel unions. Before pouring the concrete, the spray heads are to be set to proper level, then enclosed with a 200mm / 8.0" form. After concrete is cured, remove forms, turn on water and adjust spray heads to suit, then grout in spray heads so that they are appr. 1.5mm \ 0.065" above concrete surface. Spray Aprons are usually supplied with city water going to waste (**PEM 6094/ 6212**, 4" Drain in center of apron). **PEM 32** Spray Heads are made of Brass and Bronze. Standard Spray Configuration: 12 x 2.4mm\0.094" orifices in a circle of 35mm\1.375" bored with an outside angle of 5 degrees off vertical. (Other configurations within the flow capability can be custom made).

V	H	FL	MC
m	m	L	m
1.0	0.7	35	1.6
1.5	0.9	46	2.2
2.0	1.2	57	2.8
3.0	1.6	86	4.9
Ft	Ft	G	Ft
4	2	10.0	6.0
5	3	12.0	7.0
6	4	14.0	8.0
8	5	18.0	11.0
10	6	22.0	16.0

**PERFORMANCES**



**PEM 32-2**  
**505-2140**  
Solid Winter Cover

**DIMENSIONS :**

PEM #	32	32+538
<b>505-2110</b>	<b>505-2110</b>	<b>505-2120</b>
T	3/4"	3/4"
OV	51mm \ 2.00"	108mm \ 4.25"
OD	64mm \ 2.50"	64mm \ 2.50"
Y	12	
X	2.4mm\0.094"	



**PEM**  
With Swivel Union  
**PEM538**

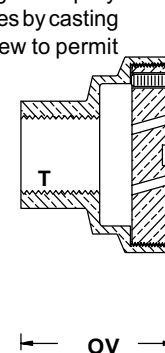
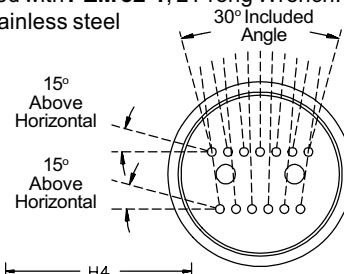
**PEM 32**

**PEM 32H** Angular Fan Spray Head is designed for flush installation into the free board of swimming pools in warm climates to spray low over the pool and cool the pool water by evaporative cooling. The spray normally is operated by the filter return. This sprayhead can also be used for decorative purposes by casting it into walls. The face of the spray head is smooth, the face plate is equipped with a set screw to permit alignment of spray. The face plate can only be removed with **PEM 32-1**, 2 Prong Wrench. The spray head is made of bronze and brass, with stainless steel set screws and a natural machined finish.

**Chrome plating is extra.**

**PERFORMANCES**

H1	H2	V	H4	FL	MC
m	m	m	m	L	m
1.0	0.70	0.26	0.70	33	1.7
1.5	1.00	0.33	0.75	39	2.4
2.0	1.30	0.39	1.04	47	3.1
3.0	1.90	0.46	1.50	61	4.7
4.0	2.50	0.67	1.96	76	6.4
5.0	3.20	1.06	2.60	93	8.1
6.0	3.80	1.15	3.10	108	9.4
Ft	Ft	Ft	Ft	G	Ft
5	3.0	0.9	2.3	7.5	7
10	5.8	1.4	4.8	11.5	12
15	8.4	2.8	7.2	16.0	18
20	11.6	3.5	9.6	21.0	24



**DIMENSIONS :**

T	3/4"NPT/BSP
OV	51mm \ 2.00"
OD	64mm \ 2.50"
Y	13
X	2.4mm \ 0.094"

**PEM 32-H Angular Fan Spray Head**

**#505-2200**



**32-H**