

**PEM 50 Series Cascade Jets** will provide highly visible frothing and foaming 'White Water' spray effects. PEM 50 Series Jets are one piece bronze castings. PEM 08 Adjustment Flanges are of cast bronze and are stainless steel fitted. **PEM Series Cascade Jets** require a linear inflow, a constant waterlevel and might be subject to pool surging.

For PEM 1610 Series Pinnacle Cascade Jets see page 541 of this catalog.

# #505-5000 PEM 50 SERIES

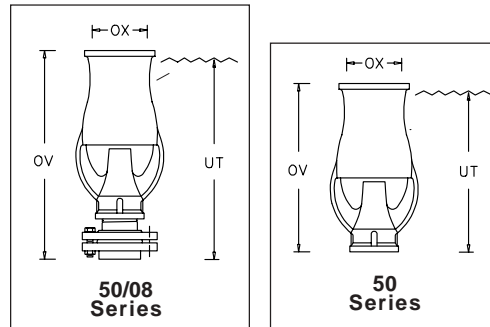
## CAST BRONZE CASCADE JETS



PEM 54 and 53 Fountain Spray

**PERFORMANCES** are based on 'UT' and 'UT / 08' dimensions, showing immersion of the jets. The effect diameter at base is approximately 30% - 35% of spray height.

To change appearance of spray effects, change 'UT' or 'UT 08', decrease = lighter, increase = heavier, (proportional) 'FL' and 'MC' values below.



PEM #	51	52	52A	53	53A	54	54A	55
PEM #	505-5110	505-5120	505-5130	505-5140	505-5150	505-5170	505-5180	505-5190
#	51/08	52/08	52A/08	53/08	53A/08	54/08	54A/08	55/08
T	505-5210	505-5220	505-5230	505-5240	505-5250	505-5270	505-5280	505-5290
OD/Jet	50.8mm 2"	66.7mm 2.625"	104mm 4.125"	120.6mm 4.75"	120.6mm 4.75"	140mm 5.5"	165mm 6.5"	195mm 7.68"
OX/Jet	38mm 1.500"	51mm 2.000"	70mm 2.755"	76mm 3.000"	76mm 3.00"	102mm 4.00"	120mm 4.724"	152mm 6.00"
SS	6 mm 0.250"	8mm 0.32"	8mm 0.320"	10mm 0.320"	16mm 0.40"	16mm 0.625"	18mm 0.700"	22mm 0.875"
OV	96mm 3.750"	140mm 5.50"	191mm 7.519"	229mm 9.000"	229mm 9.00"	280mm 11.00"	300mm 11.811"	356mm 14.00"
OV+08	141mm 5.560"	190mm 7.49"	236mm 9.291"	280mm 11.03"	280mm 11.03"	342mm 13.420"	348mm 13.700"	425mm 16.74"
UT	90mm 3.500"	134mm 5.25"	185mm 7.280"	220mm 8.50"	229mm 9.00"	268mm 10.50"	287mm 11.27"	341mm 13.50"
UT +/08	135mm 5.320"	184mm 7.25"	230mm 9.05"	270mm 10.700"	279mm 10.99"	330mm 10.99"	336mm 13.22"	409mm 16.11"

**PERFORMANCES:**

V	FL		MC		FL		MC		FL		MC		FL		MC		FL		MC	
	m	L	m	L	m	L	m	L	m	L	m	L	m	L	m	L	m	L	m	
0.5	34	10.5	59	7.1	85	6.4	99	2.9	93	2.2										
1.0	46	16.8	76	11.1	100	7.9	122	6.6	114	3.1										
1.5	57	21.6	88	15.2	117	9.5	135	9.9	137	4.3	292	7.6	396	7.0	500	6.1				
2.0	66	27.4	103	19.5	131	14.0	160	12.6	156	6.5	320	9.3	425	9.5	560	8.1				
2.5			114	23.4	142	17.1	174	15.2	182	7.7	354	11.1	490	13.0	609	9.3				
3.0			125	27.2	153	19.8	190	16.1	209	9.2	380	13.4	530	16.0	645	10.7				
4.0					174	24.0	224	23.4	239	12.0	420	19.1	590	22.0	743	14.6				
5.0									269	15.0	467	23.5	640	27.0	844	17.4				
6.0									292	18.0	489	26.9	700	32.0	930	19.9				
8.0											570	33.0	850	41.0	1132	34.6				
10.0											720	39.0	1050	55.0	1390	46.9				
12.0													1190	64.0	1552	57.0				
15.0															1980	75.0				
Ft	G	Ft	G	Ft	G	Ft	G	Ft	G	Ft	G	Ft	G	Ft	G	Ft	G	Ft	G	Ft
2	10.1	42	17.5	30	23.0	22	27.8	15	26.7	8										
3	11.7	52	19.3	34	26.0	25	29.4	20	31.4	11										
4	13.5	62	21.1	43	29.0	28	32.3	27	34.9	13	71.4	21	96	19						
5	15.7	72	23.3	51	30.9	31	35.7	33	37.8	17	77.2	25	105	22	133	20				
6			25.7	61	32.5	40	39.9	37	42.7	20	85.9	30	114	25	143	26				
8			29.6	77	36.5	54	46.5	50	46.6	25	93.6	36	127	37	157	32				
10			33.1	83	40.4	65	50.2	60	54.8	30	100.4	45	141	48	171	36				
15							67.4	83	67.7	44	107.0	57	163	77	211	56				
20									77.0	57	129.2	90	185	98	246	66				
30											164.0	110	245	135	330	134				
40													315	168	410	174				
50															524	229				

