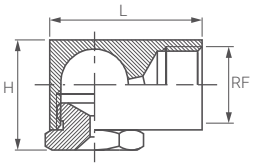
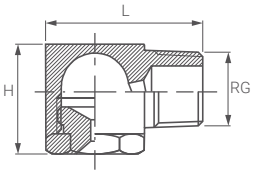
PE / PF / PT (HOLLOW CONE NOZZLES)

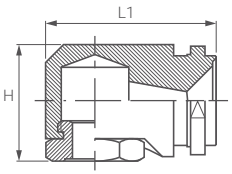
PE (Female)



PF (Male)



PT (QC)

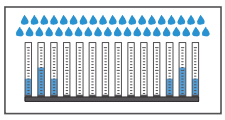


STANDARD ANGLE SPRAY NOZZLES

PE/PF hollow cone nozzles generate a ring-shaped spray pattern with finely atomized droplets and work on the tangential flow principle. Inside these nozzles there is an axial groove that injects the liquid tangentially into the vortex chamber where the strong centrifugal force produces a high rotational velocity and generates a finely atomized liquid flow. As these nozzles have a large inside free passage and no swirl insert, they offer the maximum resistance to clogging. PE/PF nozzles are widely used in many production processes and their variety of spray angles and capacities make them suitable for all kinds of working environments.

THREAD SPECIFICATION
PE: Female (BSP, NPT)
PF: Male (BSPT, NPT)
PT: Quick connection

Spray section



Concave distribution

STANDARD ANGLE SPRAY NOZZLES

	RF RG inch	PEN Female	PFN Male	PTN QC	CODE	DE mm	DU mm	Capacity at different pressure values (l/min) (bar)								Dimensions mm		
								0.5	0.7	1.0	2.0	3.0	5.0	7.0	10	H	L	L1
50°	3/8"		•	•	**2180**	5.9	7.9	7.35	8.69	10.4	14.7	18.0	23.2	27.5	32.9	24	34	35
			•	•	**2220**	7.5	7.9	8.98	10.6	12.7	18.0	22.0	28.4	33.6	40.2			
			•	•	**2390**	8.7	9.5	15.9	18.8	22.5	31.8	39.0	50.3	59.6	71.2			

	RF/RG	PES	PFS	PTS	CODE	DE	DU	0.5	0.7	1.0	2.0	3.0	5.0	7.0	10	H	L	L1
70°	1/8"		•		**0390**	0.79	1.2	0.16	0.19	0.23	0.32	0.39	0.50	0.60	0.71	19	24	26
			•		**0780**	1.6	1.6	0.32	0.38	0.45	0.64	0.78	1.01	1.19	1.42			
		•	•		**1160**	2.0	2.0	0.65	0.77	0.92	1.31	1.60	2.07	2.44	2.92			
		•	•		**1230**	2.4	2.4	0.94	1.11	1.33	1.88	2.30	2.97	3.51	4.20			
		•	•		**1390**	3.2	3.2	1.59	1.88	2.25	3.18	3.90	5.03	5.96	7.12			
		•	•		**1630**	4.0	4.0	2.57	3.04	3.64	5.14	6.30	8.13	9.62	11.5			
			•		**1780**	4.4	4.4	3.18	3.77	4.50	6.37	7.80	10.1	11.9	14.2			
	1/4"		•	•	**0781**	1.6	1.6	0.32	0.38	0.45	0.64	0.78	1.01	1.19	1.42	23	32	32
		•	•	•	**1161**	2.0	2.0	0.65	0.77	0.92	1.31	1.60	2.07	2.44	2.92			
			•	•	**1231**	2.4	2.4	0.94	1.11	1.33	1.88	2.30	2.97	3.51	4.20			
		•	•	•	**1391**	3.6	3.6	1.59	1.88	2.25	3.18	3.90	5.03	5.96	7.12			
		•	•	•	**1631**	4.0	4.0	2.57	3.04	3.64	5.14	6.30	8.13	9.62	11.5			
			•	•	**1781**	4.8	4.4	3.18	3.77	4.50	6.37	7.80	10.1	11.9	14.2			
		•	•	•	**2117**	5.9	5.2	4.78	5.65	6.75	9.55	11.7	15.1	17.9	21.4			
	3/8"	•	•		**1392**	3.6	3.2	1.59	1.88	2.25	3.18	3.90	5.03	5.96	7.12	24	34	35
		•	•		**1632**	4.4	4.0	2.57	3.04	3.64	5.14	6.30	8.13	9.62	11.5			
		•	•		**1782**	5.2	4.4	3.18	3.77	4.50	6.37	7.80	10.1	11.9	14.2			
		•	•		**2118**	5.9	5.6	4.78	5.65	6.75	9.55	11.7	15.1	17.9	21.4			
		•	•		**2157**	7.1	6.4	6.41	7.58	9.06	12.8	15.7	20.3	24.0	28.7			
		•	•		**2196**	7.5	7.5	8.00	9.47	11.3	16.0	19.6	25.3	29.9	35.8			
			•		**2230**	8.3	7.9	9.39	11.1	13.3	18.8	23.0	29.7	35.1	42.0			
	1/2"	•	•		**2197**	9.5	6.4	8.00	9.47	11.3	16.0	19.6	25.3	29.9	35.8	31	50	50
		•	•		**2231**	9.5	7.5	9.39	11.1	13.3	18.8	23.0	29.7	35.1	42.0			
		•	•	•	**2310**	9.5	9.1	12.7	15.0	17.9	25.3	31.0	40.0	47.4	56.6			
			•	•	**2391**	9.5	11.1	15.9	18.8	22.5	31.8	39.0	50.3	59.6	71.2			
			•	•	**2470**	9.5	13.1	19.2	22.7	27.1	38.4	47.0	60.7	71.8	85.8			
	3/4"		•		**2311**	12.7	7.9	12.7	15.0	17.9	25.3	31.0	40.0	47.4	56.6	39	55	58
			•		**2392**	12.7	9.5	15.9	18.8	22.5	31.8	39.0	50.3	59.6	71.2			
			•		**2471**	12.7	11.1	19.2	22.7	27.1	38.4	47.0	60.7	71.8	85.8			
			•		**2550**	12.7	12.7	22.5	26.6	31.8	44.9	55.0	71.0	84.0	100			
		•	•		**2630**	12.7	14.3	25.7	30.4	36.4	51.4	63.0	81.3	96.2	115			
			•		**2700**	12.7	14.7	28.6	33.8	40.4	57.2	70.0	90.4	107	128			
			•		**2780**	12.7	15.9	31.8	37.7	45.0	63.7	78.0	101	119	142			
			•		**2860**	12.7	17.1	35.1	41.5	49.7	70.2	86.0	111	131	157			
			•		**2940**	12.7	18.3	38.4	45.4	54.3	76.8	94.0	121	144	172			

HOW TO MAKE UP THE NOZZLE CODE

EX.: PES 1160 B1

PE S 1160 xx

- **NOZZLE TYPE**: • **PE** - Female • **PF** - Male • **PT** - QC
- **SPRAY NOZZLE**: • **N** - 50° • **S** - 70° • **W** - 120
- **CAPACITY**
- **MATERIAL**: • **B1** - AISI 303 Stainless steel • **B31** - AISI 316L Stainless steel • **T1** - Brass

(HOLLOW CONE NOZZLES) PE / PF / PT

WIDE ANGLE SPRAY NOZZLES

	RF RG inch	PEW Female	PFW Male	PTW QC	CODE	DE mm	DU mm	Capacity at different pressure values (l/min) (bar) 0.5	0.7	1.0	2.0	3.0	5.0	7.0	10	Dimensions mm H	L	L1
120°	1/8"	•	•		**0390**	0.79	1.2	0.16	0.19	0.23	0.32	0.39	0.50	0.60	0.71	19	24	26
		•	•		**0780**	1.6	1.6	0.32	0.38	0.45	0.64	0.78	1.01	1.19	1.42			
		•	•		**1200**	2.0	2.8	0.82	0.97	1.15	1.63	2.00	2.58	3.06	3.65			
		•	•		**1230**	2.4	2.8	0.94	1.11	1.33	1.88	2.30	2.97	3.51	4.20			
		•	•		**1270**	2.4	3.2	1.10	1.30	1.56	2.20	2.70	3.49	4.12	4.93			
		•	•		**1320**	2.0	4.4	1.31	1.55	1.85	2.61	3.20	4.13	4.89	5.84			
		•	•		**1390**	3.2	3.2	1.59	1.88	2.25	3.18	3.90	5.03	5.96	7.12			
		•	•		**1510**	3.2	4.4	2.08	2.46	2.94	4.16	5.10	6.58	7.79	9.31			
		•	•		**1700**	4.0	4.4	2.86	3.38	4.04	5.72	7.00	9.04	10.7	12.8			
	1/4"	•	•	•	**0781**	1.6	1.6	0.32	0.38	0.45	0.64	0.78	1.01	1.19	1.42	23	32	32
		•	•	•	**1130**	1.6	3.2	0.53	0.63	0.75	1.06	1.30	1.68	1.99	2.37			
		•	•	•	**1160**	1.6	4.4	0.65	0.77	0.92	1.31	1.60	2.07	2.44	2.92			
		•	•	•	**1190**	1.6	5.6	0.78	0.92	1.10	1.55	1.90	2.45	2.90	3.47			
		•	•	•	**1271**	2.0	3.2	1.10	1.30	1.56	2.20	2.70	3.49	4.12	4.93			
		•	•	•	**1321**	2.0	4.4	1.31	1.55	1.85	2.61	3.20	4.13	4.89	5.84			
		•	•	•	**1391**	3.6	3.2	1.59	1.88	2.25	3.18	3.90	5.03	5.96	7.12			
		•	•	•	**1511**	3.6	4.4	2.08	2.46	2.94	4.16	5.10	6.58	7.79	9.31			
		•	•	•	**1600**	3.6	5.6	2.45	2.90	3.46	4.90	6.00	7.75	9.17	11.0			
		•	•	•	**1701**	4.0	4.4	2.86	3.38	4.04	5.72	7.00	9.04	10.7	12.8			
		•	•	•	**1780**	4.8	4.4	3.18	3.77	4.50	6.37	7.80	10.1	11.9	14.2			
		•	•	•	**1860**	4.0	5.6	3.51	4.15	4.97	7.02	8.60	11.1	13.1	15.7			
		•	•	•	**1940**	4.8	5.6	3.84	4.54	5.43	7.68	9.40	12.1	14.4	17.2			
		•	•	•	**2117**	6.0	5.6	4.78	5.65	6.75	9.55	11.7	15.1	17.9	21.4			
	3/8"	•	•		**1512**	3.6	4.4	2.08	2.46	2.94	4.16	5.10	6.58	7.79	9.31	24	34	35
		•	•		**1601**	3.6	5.6	2.45	2.90	3.46	4.90	6.00	7.75	9.17	11.0			
		•	•		**1702**	4.4	4.4	2.86	3.38	4.04	5.72	7.00	9.04	10.7	12.8			
		•	•		**1781**	5.2	4.4	3.18	3.77	4.50	6.37	7.80	10.1	11.9	14.2			
		•	•		**1861**	4.4	5.6	3.51	4.15	4.97	7.02	8.60	11.1	13.1	15.7			
		•	•		**1941**	5.2	5.6	3.84	4.54	5.43	7.68	9.40	12.1	14.4	17.2			
		•	•		**2102**	4.4	7.5	4.16	4.93	5.89	8.33	10.2	13.2	15.6	18.6			
		•	•		**2110**	5.2	6.0	4.49	5.31	6.35	8.98	11.0	14.2	16.8	20.1			
		•	•	•	**2118**	6.0	5.6	4.78	5.65	6.75	9.55	11.7	15.1	17.9	21.4			
		•	•	•	**2133**	6.0	6.0	5.43	6.42	7.68	10.9	13.3	17.2	20.3	24.3			
		•	•	•	**2157**	7.1	6.0	6.41	7.58	9.06	12.8	15.7	20.3	24.0	28.7			
		•	•	•	**2172**	6.0	7.9	7.02	8.31	9.93	14.0	17.2	22.2	26.3	31.4			
		•	•	•	**2196**	7.5	7.5	8.00	9.47	11.3	16.0	19.6	25.3	29.9	35.8			
		•	•	•	**2220**	7.5	7.9	8.98	10.6	12.7	18.0	22.0	28.4	33.6	40.2			
	1/2"		•	•	**2391**	9.5	11.1	15.9	18.8	22.5	31.8	39.0	50.3	59.6	71.2	31	50	50
	3/4"		•		**2630**	12.7	14.3	25.7	30.4	36.4	51.4	63.0	81.3	96.2	115	39	55	58