

# Surface cleaning nozzle

## Orbimaster 800

Orbimaster combines the powerful force of a round jet with the area cleaning achieved with a flat jet. The Orbimaster can be fitted to lances, guns and robots with approved high-pressure screw fittings.



### Special features

- High surface coverage thanks to orbital movement of water jet
- Low weight
- Suitable for hot water operation up to 98 °C
- Rotor and seat from cemented carbide, housing from high-strength steel
- Straightforward operation
- Self-rotating
- Rotor is easy to replace

### Technical data

Operating pressure	max.	800 bar
Medium temperature	max.	+98 °C
Weight	approx.	0.70 kg
High-pressure connection		9/16"-18 UNF-LH

### Accessories

Designation	Material number
Connection adapter for guns with G 3/8", lance diameter 25 mm	9.872-159.0
Special tool for replacing the rotor seat	6.025-233.0

Variants														
Rotor-Ø d [mm]  Material number	Replacement rotor with seat  Material number	Operating pressure [bar]												
		200	250	300	350	400	450	500	550	600	650	700	750	800
		Nozzle flow rate [l/min] Recoil force in jet direction [N]*												
<b>1.00</b> 9.910-945.0	9.884-069.0	8.4 28	9.4 35	10.3 42	11.1 48	11.9 55	12.6 62	13.3 69	13.9 76	14.5 83	15.1 90	15.7 97	16.2 104	16.8 111
<b>1.05</b> 9.886-693.0	9.884-070.0	9.2 31	10.3 38	11.3 46	12.2 53	13.1 61	13.9 69	14.6 76	15.3 84	16.0 92	16.7 99	17.3 107	17.9 114	18.5 122
<b>1.10</b> 9.912-614.0	9.912-619.0	10.1 34	11.3 42	12.4 50	13.4 59	14.4 67	15.2 75	16.0 84	16.8 92	17.6 101	18.3 109	19.0 117	19.7 126	20.3 134
<b>1.15</b> 9.886-694.0	9.884-071.0	11.1 37	12.4 46	13.6 55	14.7 64	15.7 73	16.6 82	17.5 92	18.4 101	19.2 110	20.0 119	20.8 128	21.5 137	22.2 147
<b>1.20</b> 9.886-695.0	9.912-620.0	2.1 40	13.5 50	14.8 60	16.0 70	17.1 80	18.1 90	19.1 100	20.0 110	20.9 120	21.8 130	22.6 140	23.4 150	24.2 160
<b>1.25</b> 9.910-946.0	9.884-072.0	3.1 43	14.7 54	16.1 65	17.3 76	18.5 87	19.7 97	20.7 108	21.7 119	22.7 130	23.6 141	24.5 151	25.4 162	26.2 173
<b>1.30</b> 9.886-696.0	9.884-073.0	14.2 47	15.8 59	17.4 70	18.8 82	20.0 94	21.3 105	22.4 117	23.5 129	24.6 140	25.6 152	26.5 164	27.5 176	28.4 187
<b>1.35</b> 9.912-615.0	9.912-621.0	5.3 50	17.1 63	18.7 76	20.2 88	21.6 101	22.9 114	24.2 126	25.4 139	26.5 151	27.6 164	28.6 177	29.6 189	30.6 202
<b>1.40</b> 9.886-697.0	9.884-074.0	16.4 54	18.4 68	20.1 81	21.7 95	23.3 109	24.7 122	26.0 136	27.3 149	28.5 163	29.6 176	30.8 190	31.8 204	32.9 217
<b>1.45</b> 9.886-698.0	9.884-075.0	7.6 58	19.7 73	21.6 87	23.3 102	24.9 116	26.5 131	27.9 146	29.2 160	30.5 175	31.8 189	33.0 204	34.2 218	35.3 233
<b>1.50</b> 9.886-699.0	9.884-076.0	18.9 62	21.1 78	23.1 93	25.0 109	26.7 125	28.3 140	29.8 156	31.3 171	32.7 187	34.0 203	35.3 218	36.5 234	37.7 249
<b>1.55</b> 9.886-700.0	9.884-077.0	20.2 67	22.5 83	24.7 100	26.7 116	28.5 133	30.2 150	31.9 166	33.4 183	34.9 200	36.3 216	37.7 233	39.0 250	40.3 266
<b>1.60</b> 9.886-701.0	9.884-078.0	21.5 71	24.0 89	26.3 106	28.4 124	30.4 142	32.2 160	34.0 177	35.6 195	37.2 213	38.7 230	40.2 248	41.6 266	42.9 284

\* For a manual spraying unit without body support, a max. recoil force of **150 N** is permitted.

\* For a manual spraying unit with body support, a max. recoil force of **250 N** is permitted.