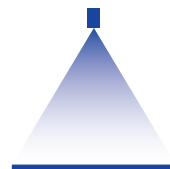


# Low pressure tongue-type nozzles

## Series 688/689

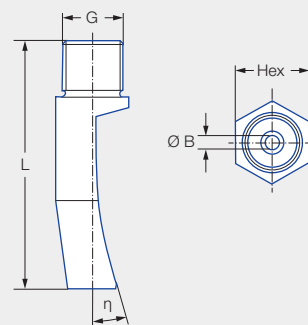
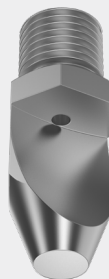


### Features:

- Narrowly delimited, powerful flat fan spray
- Non-clogging

### Applications:

- Cleaning processes
- Washing processes
- Degreasing installations
- Phosphating installations
- Preparation techniques



Series 688/689

Type	Code	G	Dimensions [mm]		Weight [g]
			L	Hex	
<b>688.763</b>	<b>CE</b>	3/8 BSPT	43.0	19	53.0 (Stainless steel 303)
<b>688.843</b>	<b>CE</b>	3/8 BSPT	50.0	19	133.0 (Stainless steel 303)
<b>688.923</b>	<b>CE</b>	3/8 BSPT	59.0	22	247.0 (Stainless steel 303)
<b>689.003</b>	<b>90</b>	3/4 BSPP	80.0	32/24	306.0/33.0 (Stainless steel 303/PVDF)

Spray angle	η	Ordering no.				Bore diameter B [mm]	V̇ water [l/min]				Spray width B [mm] (at p = 2 bar)				
		Mat. no.		Code			p [bar]								
		16	5E				0.5	1.0	2.0	5.0					
		Type	Stainless steel 303	PVDF	3/8 BSPT		3/4 BSPP								
45°	35°	<b>688.763</b>	●		<b>CE</b>					4.00	5.66	<b>8.00</b>	12.65	220	420
	30°	<b>688.843</b>	●		<b>CE</b>					6.25	8.84	<b>12.50</b>	19.76	220	420
	29°	<b>688.923</b>	●		<b>CE</b>					10.00	14.14	<b>20.00</b>	31.62	220	430
	35°	<b>689.003</b>	●	●		<b>90</b>					15.75	22.27	<b>31.50</b>	49.81	220

Conversion formula for this series:  $\dot{V}_2 = \dot{V}_1 \cdot \sqrt{\frac{p_2}{p_1}}$

Ordering Type + Material no. + Code = Ordering no.  
 example: 688.763 + 16 + CE = 688.763.16.CE

Assembly accessories can be found in Chapter 9 "Accessories".