

Pneumatic atomizing nozzles, full cone, pressure principle, internal mixing Series 166.2



Features:

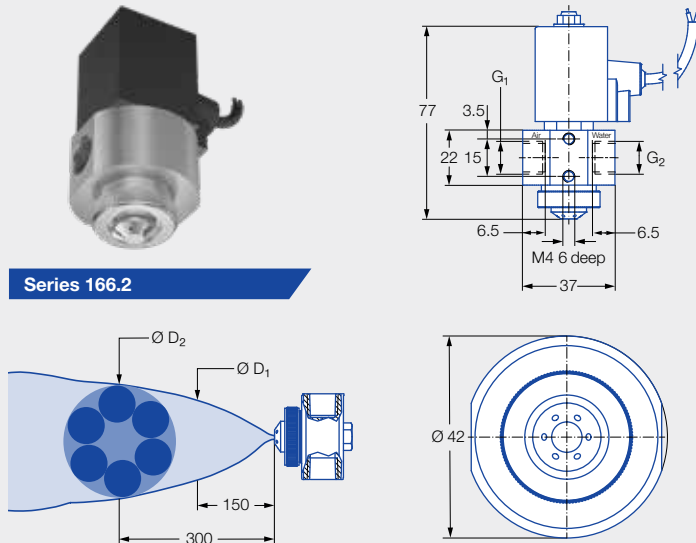
- Version with magnetic valve
- Fine full cone atomization
- Pressure principle
- Internal mixing
- Especially wide spray angle of 60°

Applications:

- Humidification of air
- Cooling

Technical data:

- Operating pressure: 0–6 bar
- Voltage: 24 V DC
- Power: 8 W
- Switching frequency: Approx. 500/min
- Protective system: IP 67
- Ambient temperature: +10 °C / +50 °C
- Cable length: 1,000 mm
- Material of gasket: EPDM



Series 166.2

Air connection G ₁	Water connection G ₂	Weight [g]
1/4 BSPP	1/4 BSPP	410

Spray angle	Ordering no.		Narrowest free cross section Ø [mm]	Liquid pressure p [bar]												Spray dimensions				
	Type	Mat. no.		0.7			1.5			3.0			4.0			p air [bar]	p water [bar]	Ø D ₁ [mm]	Ø D ₂ [mm]	
		16		p air [bar]	V water [l/h]	V _n air [m³/h]	p air [bar]	V water [l/h]	V _n air [m³/h]	p air [bar]	V water [l/h]	V _n air [m³/h]	p air [bar]	V water [l/h]	V _n air [m³/h]					
		Stainless steel 303																		
60°	166.215.xx.A2	●	0.5	1.0	3.0	1.3	1.6	5.8	1.7	2.8	8.5	2.4	3.8	9.4	3.1	1.0	0.7	200	330	
				1.2	1.8	1.5	1.8	4.9	1.9	3.2	7.2	2.8	4.2	8.2	3.5	1.6	1.5	230	380	
				1.4	0.7	1.8	2.0	3.8	2.1	3.6	5.7	3.2	4.6	6.9	3.9	2.4	2.0	230	385	
				–	–	–	2.2	2.8	2.3	4.0	4.0	3.6	5.0	5.4	4.2	3.2	3.0	245	390	
				–	–	–	2.4	1.7	2.5	4.4	2.2	4.1	5.4	3.8	4.7	4.2	4.0	250	410	
				–	–	–	2.6	0.8	2.8	4.8	0.8	4.5	5.8	2.3	5.2	–	–	–	–	
				–	–	–	–	–	–	5.0	0.4	4.6	6.0	1.4	5.6	–	–	–	–	
				–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
	166.222.xx.A2	●	1.0	0.8	17.5	2.8	1.6	25.9	4.0	3.0	40.4	5.8	3.8	54.9	6.4	0.8	0.7	250	450	
				1.0	6.0	4.3	1.8	14.7	5.3	3.2	31.5	6.9	4.0	45.6	7.3	1.6	1.5	245	465	
				–	–	–	2.0	6.7	6.7	3.4	22.2	8.2	4.2	37.6	8.5	2.3	2.0	245	465	
				–	–	–	2.2	1.9	8.1	3.6	14.6	9.5	4.4	29.6	9.7	3.2	3.0	250	465	
				–	–	–	–	–	–	3.8	8.5	11.0	4.6	21.6	11.2	4.2	4.0	245	465	
				–	–	–	–	–	–	4.0	4.5	12.3	4.8	15.3	12.4	–	–	–	–	
				–	–	–	–	–	–	–	–	–	5.0	9.7	13.8	–	–	–	–	
				–	–	–	–	–	–	–	–	–	5.2	6.0	15.2	–	–	–	–	
	166.231.xx.A2	●	1.4	–	–	–	–	–	–	–	–	–	–	5.4	2.9	16.5	–	–	–	–
				1.6	25.6	5.1	2.6	44.2	7.0	3.6	93.7	7.9	4.2	132.9	7.3	2.0	0.7	235	380	
				2.0	17.8	6.2	3.0	33.0	8.2	4.0	78.3	9.3	4.6	117.2	9.0	2.6	1.5	245	415	
				2.4	11.3	7.2	3.4	24.7	9.2	4.4	65.8	10.6	5.0	101.1	10.4	2.4	2.0	255	420	
				2.8	6.9	8.1	3.8	18.1	10.2	4.8	54.9	11.9	5.4	87.9	11.8	3.6	3.0	255	425	
				–	–	–	4.2	13.2	11.2	5.2	45.6	13.0	5.8	76.6	13.2	4.2	4.0	265	430	
				–	–	–	4.6	9.3	12.0	5.6	38.0	14.1	6.0	71.2	13.8	–	–	–	–	
				–	–	–	–	–	–	6.0	36.1	14.4	–	–	–	–	–	–	–	

Ordering Type + Material no. = Ordering no.
 example: 166.215.xx.A2 + 16 = 166.215.16.A2