

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

Features:

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

Applications:

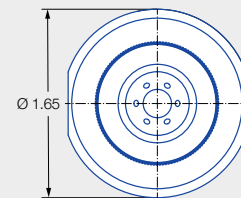
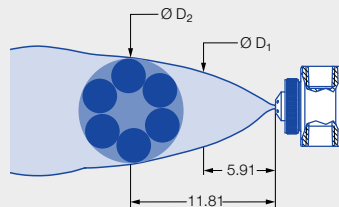
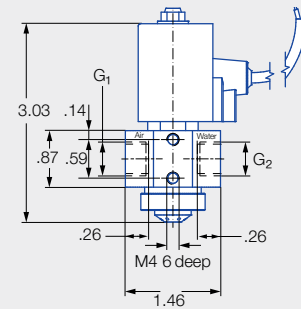
- Humidification of air
- Cooling

Technical data:

- Operating pressure: 0–87 psi
- Voltage: 24 V DC
- Power: 8 W
- Switching frequency: Approx. 500/min
- Protective system: IP 67
- Ambient temperature: +50 °C / +122 °F
- Cable length: 39.37 in
- Material of gasket: EPDM



Series 166.2



Air connection G ₁	Water connection G ₂	Weight [lb]
1/4 NPT	1/4 NPT	0.90

Spray angle	Ordering number		Narrowest free cross section Ø [in]	Liquid pressure p [psi]												Spray dimensions			
	Type	Material number		10				20				40				60			
		16		p _{air} [psi]	v̇ _{water} [gal/h]	v̇ _{air} [SCFM]		p _{air} [psi]	v̇ _{water} [gal/h]	v̇ _{air} [SCFM]		p _{air} [psi]	v̇ _{water} [gal/h]	v̇ _{air} [SCFM]		p _{air} [psi]	v̇ _{water} [gal/h]	v̇ _{air} [SCFM]	
60°	166.215.xx.B2	●	0.02	15	0.8	0.8		23	1.5	1.0		41	2.2	1.4		55	2.5	1.8	
				17	0.5	0.9		26	1.3	1.1		46	1.9	1.6		61	2.2	2.1	
				20	0.2	1.1		29	1.0	1.2		52	1.5	1.9		67	1.8	2.3	
				–	–	–		32	0.7	1.4		58	1.1	2.1		73	1.4	2.5	
				–	–	–		35	0.4	1.5		64	0.6	2.4		78	1.0	2.8	
				–	–	–		38	0.2	1.6		70	0.2	2.6		84	0.6	3.1	
				–	–	–		–	–	–		73	0.1	2.7		87	0.4	3.3	
				–	–	–		–	–	–		–	–	–		–	–	–	
	166.222.xx.B2	●	0.04	12	4.6	1.6		23	6.8	2.4		44	10.7	3.4		55	14.5	3.8	
				15	1.6	2.5		26	3.9	3.1		46	8.3	4.1		58	12.0	4.3	
				–	–	–		29	1.8	3.9		49	5.9	4.8		61	9.9	5.0	
				–	–	–		32	0.5	4.8		52	3.9	5.6		64	7.8	5.7	
				–	–	–		–	–	–		55	2.2	6.5		67	5.7	6.6	
				–	–	–		–	–	–		58	1.2	7.2		70	4.0	7.3	
				–	–	–		–	–	–		–	–	–		73	2.6	8.1	
				–	–	–		–	–	–		–	–	–		75	1.6	8.9	
	166.231.xx.B2	●	0.06	–	–	–		–	–	–		–	–	–		78	0.8	9.7	
				23	6.8	3.0		38	11.7	4.1		52	24.8	4.6		61	35.1	4.3	
				29	4.7	3.6		44	8.7	4.8		58	20.7	5.5		67	31.0	5.3	
				35	3.0	4.2		49	6.5	5.4		64	17.4	6.2		73	26.7	6.1	
				41	1.8	4.8		55	4.8	6.0		70	14.5	7.0		78	23.2	6.9	
				–	–	–		61	3.5	6.6		75	12.0	7.7		84	20.2	7.8	
				–	–	–		67	2.5	7.1		81	10.0	8.3		87	18.8	8.1	
				–	–	–		–	–	–		87	9.5	8.5		–	–	–	

Ordering Type + Material no. = Ordering no.
 example: 166.215.xx.B2 + 16 = 166.215.16.B2