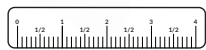




INCH



MM LINE



CN

EN

英制/NPT 80bar雾化用快插接头

MM是一款雾化接头系列产品。Cmatic现将其在高压连接领域积累的专业技术与经验应用于全新领域——打造“雾化系统”。通过80bar压力的水流经专用管道，经由喷嘴喷射成数百万微米级雾滴，在特定区域形成环绕效果。这种雾化技术作为兼具成本效益、节能环保的解决方案，已被广泛应用于工业与商业领域，用于控制异味湿度、沉降粉尘、调节室内外环境温度。

Misting Push-in Fittings, 80 bar Inch/NPT

MM is a misting fittings line.

Cmatic are now using all their know-how and experience in high pressure connections for a completely new purpose. To create "Misting".

Water at 80 bar pressure is channelled through hoses and sprayed by nozzles as millions of very fine mist drops, creating a refreshing effect all around a specific area.

Misting, as a cost effective, energy saving and non polluting technique is used both in industrial and commercial fields to control odours and humidity, to set dusts, to cool down indoor and outdoor temperatures.

MM Line

1 本体
Body

黄铜镀镍 UNI EN 12164 CW614N - UNI EN 12165 CW617N
Brass UNI EN 12164 CW614N - UNI EN 12165 CW617N, nickel plated

2 卡爪
Gripping ring

黄铜镀镍 UNI EN 12164 CW614N
Brass UNI EN 12164 CW614N, nickel plated

3 密封圈
Seals

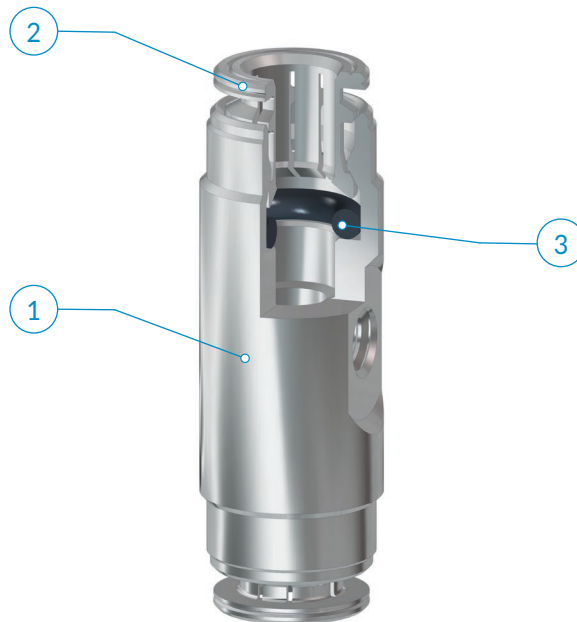
NBR
NBR



-20° ÷ 80°C



80 bar



	1/4 NPTF	3/8 NPTF	1/2 NPTF	G1/4
1/4	●			●
3/8	●	●		●
1/2			●	

建议的连接管路：
PA12 HR

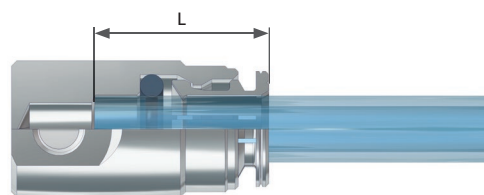
可接受的管路公差：
+/- 0,07 mm, 最大直径 Ø 3/8"
+/- 0,1 mm, 最大直径 Ø 1/2"

应用领域：
雾化回路

Recommended tubings:
PA12 HR

Acceptable Tolerances on the tubings:
+/- 0,07 mm up to Ø 3/8"
+/- 0,1 mm up to Ø 1/2"

Application fields:
Misting circuits



OD	L
1/4	17
3/8	18,5
1/2	20,4

安装说明

ASSEMBLY INSTRUCTIONS

1

沿管路垂直切割 (使用TCUT切管刀), 确认内外管壁没有毛刺, 同时注意避免管路截面呈椭圆形。

1

Cut the tube square (by means of a hose cutter i.e. our TCUT) making sure that no burrs are left and that the tube is not oval.

2

将管路插入接头, 到底为止。

2

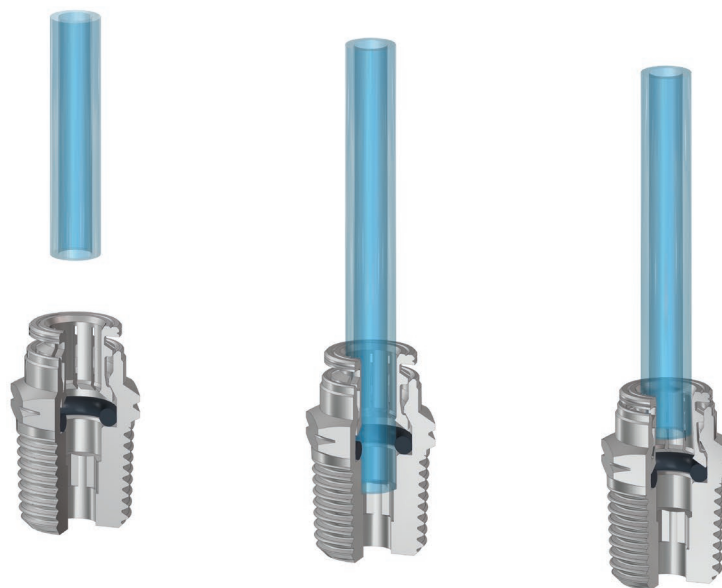
Insert the tube into the fitting until it bottoms.

拔出管路:

垂直按压释放环, 同时拔出管路即可。

Tube release

While pressing on the release ring, pull out the tube from the fitting.



完成连接后, 请确保管路上不承受外力; 此外, 请确保管路连接的最小弯曲半径符合本样册第376页之规定。为了避免管路意外松脱, 任何物体均不要接触释放环。作用在释放环上任何外力, 包括侧向力, 均可能导致管路意外松脱。螺纹拧紧时, 请参考第10页列出的建议扭矩。

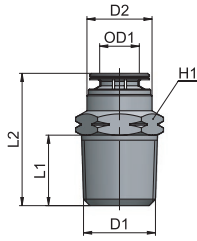


Once the tubing is connected to the fitting, make sure that the tubing is not subject to any tensile strength and that the min. recommended bending radius stated in the tubing section of this catalogue is complied with (see page 376). To prevent any accidental tube release, no components have to come in touch with the release ring and exercise any unwanted pressure on the same. Indeed however lateral, any load on the release ring may cause the tube disconnection. To tighten threads, please check out our tightening torque chart illustrated at page 10.

MM 11

外锥螺纹直接头

Taper straight, male

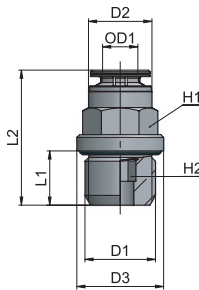


类型	OD1	D1	D2	L1	L2	H1	g Δ
11 1/4 1/4	1/4	1/4 NPTF	12	13	24,5	14	16,6
11 3/8 1/4	3/8	1/4 NPTF	15,8	13	29	16	19,5
11 3/8 3/8	3/8	3/8 NPTF	16	13	28	18	30,1
11 1/2 1/2	1/2	1/2 NPTF	19	17	33	22	52,8

MM 12

外直螺纹直接头

Parallel straight, male

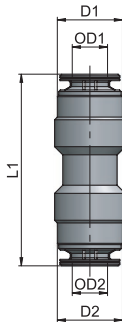


类型	OD1	D1	D2	D3	L1	L2	H1	H2	g Δ
12 1/4 G1/4	1/4	G1/4	11,7	16	10	24,9	12	5	15,8
12 3/8 G1/4	3/8	G1/4	15,8	16,5	10	31,2	15	7	21,7

MM 26

对接接头

Union

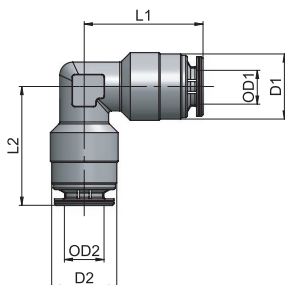


类型	OD1	OD2	D1	D2	L1	g Δ
26 1/4 1/4	1/4	1/4	12	12	35,5	17,0
26 1/4 3/8	1/4	3/8	12	16	37,5	24,1
26 3/8 3/8	3/8	3/8	16	16	38,6	26,8
26 3/8 1/2	3/8	1/2	17	19,5	41,3	38,3
26 1/2 1/2	1/2	1/2	19,5	19,5	43	39,9

MM 28

直角对接接头

Union elbow




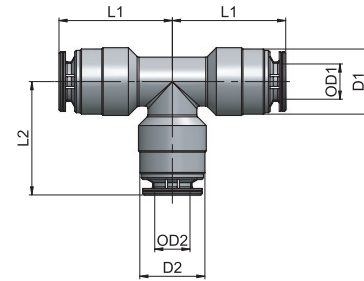
类型	OD1	OD2	D1	D2	L1	L2	g Δ
28 1/4 1/4	1/4	1/4	12	12	22	22	18,0
28 3/8 3/8	3/8	3/8	16	16	25,5	25,5	35,1
28 1/2 1/2	1/2	1/2	19,5	19,5	29,5	29,5	57,9

MM 29

正T型三通对接接头

Union T


类型	OD1	OD2	D1	D2	L1	L2	g 
29 1/4 1/4	1/4	1/4	12	12	21	21	23,3
29 3/8 3/8	3/8	3/8	16	16	25	25	47,4
29 1/2 3/8	1/2	3/8	19,5	16	28,5	27	72,6
29 1/2 1/2	1/2	1/2	19,5	19,5	28,5	28,5	73,1

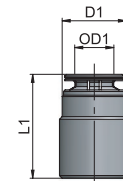


MM 40

终端接头

Terminal


类型	OD1	D1	L1	g 
40 00 1/4	1/4	12	19,5	11,9
40 00 3/8	3/8	16	21,5	19,8
40 00 1/2	1/2	19,5	24,5	29,3

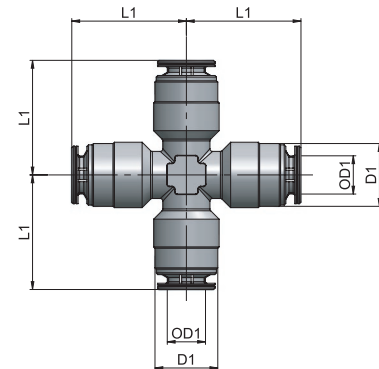


MM 46

十字型接头

Cross fitting


类型	OD1	D1	L1	g 
46 1/4 1/4	1/4	12	22	41,6
46 3/8 3/8	3/8	16	25,5	61,0

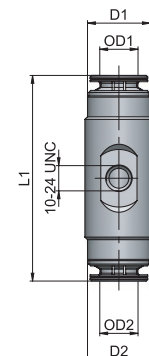


MM 60

带喷嘴的对接接头

Union with nozzle port

类型	OD1	OD2	D1	D2	L1	g 
60 1/4 1/4	1/4	1/4	12	12	39,5	23,2
60 3/8 3/8	3/8	3/8	16	16	44	41,3

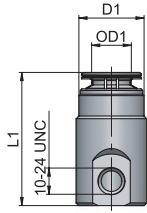


AP 55
AR 63
AV 221
CO 157
CX 255
EV 217
GU 119
GU Safety 135
GX 281
GX Safety 291
HP 317
MA 27
MB 41
MC 83
MF 235
MM 333
MO 93
MP 323
MT 339
MV 171
MX 241
MY 229
OX 261
PA 113
PE 79
PM 329
PN 67
PT 347
PU 131
PU Safety 149
PUX 287
PV 203
PVX 311
PX 249
QO 363
RA 101
RF 269
RT 355
RX 275
Tools 369
Tubings 375
VF 295
VT 359
VX 299

MM 61

带喷嘴的终端接头

Terminal with nozzle port



类型	OD1	D1	L1	g
61 00 1/4	1/4	12	24,5	15,9
61 00 3/8	3/8	16	26,5	25,4

MM 99

喷嘴

Nozzle



类型	D1	D2	g
99 10-24 ϕ 0,15	10-24 UNC	0,15	9,9
99 10-24 ϕ 0,20	10-24 UNC	0,20	9,9
99 10-24 ϕ 0,30	10-24 UNC	0,30	9,9
99 10-24 ϕ 0,40	10-24 UNC	0,40	9,9



喷嘴孔径为0.15和0.20，通常用于冷却（民用和畜牧业领域），喷嘴孔径为0.30和0.40，主要用于除尘、除味和加湿。



The nozzles with hole 0.15 and 0.20 are generally used for cooling purposes (both in civil and in animal applications), while 0.30 and 0.40 are used primarily for dust, odors suppression and for moisturizing.

在压强变化时不同孔径下的水流量

Water flow rate per nozzle size and water pressure

孔径 单位mm	35 bar 500 psi	45 bar 640 psi	70 bar 1000 psi	84 bar 1200 psi	
0,15	0,0330 0,0087	0,0380 0,0100	0,0460 0,0122	0,0510 0,0133	l/min USGpm
0,2	0,0568 0,0153	0,0643 0,0175	0,0787 0,0208	0,0980 0,0258	l/min USGpm
0,3	0,0790 0,0205	0,0867 0,0235	0,1080 0,0290	0,1590 0,0420	l/min USGpm
0,4	0,1048 0,0282	0,1190 0,0322	0,1483 0,0398	0,1950 0,0515	l/min USGpm