

Nozzle Joints / Two-Fluid Nozzles

Nozzle Joint



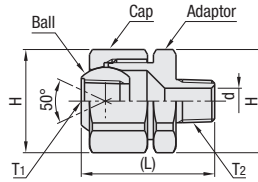
RoHS10

| Type | | Material | Max. Operating Pressure |
|-------------------|---------------------|----------|-------------------------|
| Male, Female Ends | Female, Female Ends | SUS303 | 1.0MPa |
| NJMS | NJFS | | |
| NJMP | - | PP Resin | |

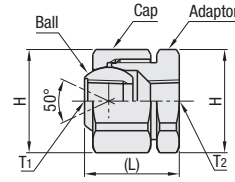
Features

Swivel joints suitable for blows to anywhere. By loosening a cap and then, tightening the joint by moving the ball, the joint can be fixed at an arbitrary position. Angle adjustable range is 50°.

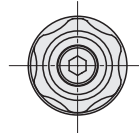
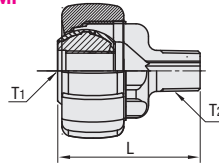
Male, Female Ends NJMS



Female, Female Ends NJFS

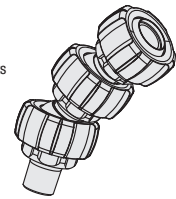


NJMP



Example

For NJMP, products can be used in connected stacks.



| Part Number Type | No. | R/Rc (PT) | | (L) | d | Wrench Flats H | Weight (g) | Unit Price 1-4 pc(s) | Volume Discount Rate 5-10 |
|---------------------------|-----|-----------|-----|-----|-----|----------------|------------|----------------------|---------------------------|
| | | T1 | T2 | | | | | | |
| Male, Female Ends NJMS | 1-1 | 1/8 | 1/8 | 32 | 5.5 | 22 | 80 | | |
| | 1-2 | 1/8 | 1/4 | 36 | 8 | 22 | 90 | | |
| | 2-2 | 1/4 | 1/4 | 41 | 8 | 29 | 170 | | |
| | 2-3 | 1/4 | 3/8 | 43 | 11 | 29 | 190 | | |
| 3-3 | 3/8 | 3/8 | 49 | 11 | 35 | 290 | | | |

| Part Number Type | No. | Rc (PT) | | (L) | Wrench Flats H | Weight (g) | Unit Price 1-4 pc(s) | Volume Discount Rate 5-10 |
|-----------------------------|-----|---------|-----|-----|----------------|------------|----------------------|---------------------------|
| | | T1 | T2 | | | | | |
| Female, Female Ends NJFS | 1-1 | 1/8 | 1/8 | 24 | 22 | 65 | | |
| | 1-2 | 1/8 | 1/4 | 24 | 22 | 65 | | |
| | 2-2 | 1/4 | 1/4 | 30 | 29 | 140 | | |
| | 2-3 | 1/4 | 3/8 | 30 | 29 | 140 | | |
| 3-3 | 3/8 | 3/8 | 35 | 35 | 240 | | | |

| Part Number Type | No. | R/Rc (PT) | | L | Unit Price 1-4 pc(s) | Volume Discount Rate | | |
|---------------------------|-----|-----------|-----|------|----------------------|----------------------|-------|-------|
| | | T1 | T2 | | | 5-9 | 10-19 | 20-30 |
| Male, Female Ends NJMP | 1-1 | 1/8 | 1/8 | 34.5 | | | | |
| | 1-2 | 1/8 | 1/4 | | | | | |
| | 2-2 | 1/4 | 1/4 | | | | | |

For orders larger than indicated quantity, please check with WOS.

Ordering Example Part Number NJMS1-2

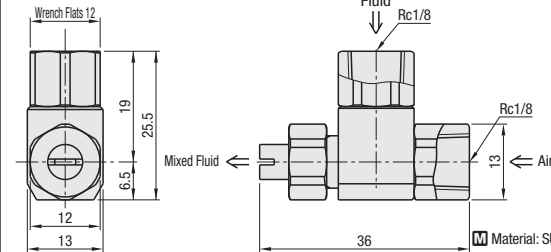
Ordering Example

Two-Fluid Nozzle

WANR



RoHS10



| Part Number Type | No. | Fluid Min. Passage Dia. (mm) | Weight (g) | Unit Price 1-4 pc(s) | Volume Discount Rate 5-10 |
|------------------|-----|------------------------------|------------|----------------------|---------------------------|
| WANR | 0.5 | 0.5 | 35 | | |

Features

- Able to spray fine mists by mixing fluid and air at the same time. (Produces finer particles than the Spray Nozzles on P.1476 ~ 1477.)
- Compact, lightweight and useable in small space.
- Fluid or air flow rate becomes adjustable by adjusting pressure.
- Particle diameter gets finer as air percentage (air-water volume ratio) gets higher.

Applications

Humidification, cooling, spray of chemical solution, etc.

Ordering Example Part Number WANR.0.5

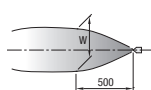
| Air Pressure (MPa) | Water Qty. (m ² /min) / Air Qty. (ℓ/min (ANR)) at Water Pressure below (Mpa) | | | | | | | | Spray Width (mm) at Water Pressure (MPa) below (Spray Distance 500mm) | | |
|--------------------|---|----------|------------|----------|------------|----------|------------|----------|---|-----|-----|
| | 0.2 | | 0.3 | | 0.4 | | 0.5 | | 0.2 | 0.3 | 0.4 |
| | Water Qty. | Air Qty. | Water Qty. | Air Qty. | Water Qty. | Air Qty. | Water Qty. | Air Qty. | | | |
| 0.1 | 182 | 28 | 228 | 27 | 258 | 26 | 284 | 25 | 800 | 900 | 900 |
| 0.2 | 146 | 47 | 200 | 45 | 248 | 43 | 280 | 41 | 800 | 800 | 900 |
| 0.3 | 102 | 65 | 168 | 63 | 222 | 61 | 259 | 59 | 700 | 800 | 900 |
| 0.4 | 58 | 83 | 127 | 82 | 189 | 80 | 232 | 78 | 600 | 800 | 900 |
| 0.5 | - | - | 92 | 97 | 158 | 96 | 207 | 95 | - | 800 | 900 |

[-] indicates that the amount of water spray is too little or only air is sprayed. [•] Spray Width (mm) is the length shown in the drawing below.

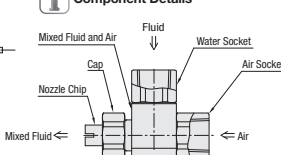
Spray Photo



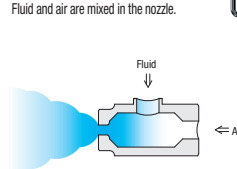
Spray Width W (mm)



Component Details



Principle of Operation



Example

