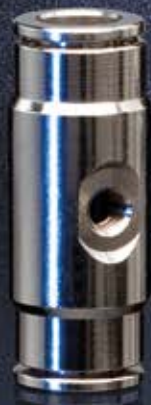


Misting Systems
Series 6000M

*Fittings and accessories
for misting systems*





Misting Systems Series 6000M

*Camozzi fittings
and accessories
for misting systems*

The MISTING SYSTEM was born as a fire fighting system and today is found in applications of many different sectors.

The system provides that, thanks to a spray nozzle, the jet of water (or other fluids) produced by a pump is transformed into microparticles of 10,5 or 2 microns.

These particles evaporate instantly in contact with air, thus reducing the temperature without wetting.

Application types:

- Indoor / Outdoor cooling
- Moisture management (humidification)
- Fire fighting
- Reduction of dust
- Odour treatment
- Mosquito and insect pest control
- Irrigation



Welcome to the world of Camozzi:

Global vision, local service
and a commitment to excellence.

Camozzi is one of the world's leading suppliers of advanced pneumatic components and systems with representation in over 70 countries spanning the world. In such a competitive market we recognize the need to be different, so we have stood out from the crowd for in excess of 50 years by offering only the highest quality products which are supported by a full range of services.

The goal of Camozzi is to distinguish itself as a true partner for their clients and to develop integrated solutions giving high added value to their business. Thanks to the Camozzi Innovation System, the production and management processes are dealt with according to the Total Quality Management Philosophy including the Lean Production principles that are applied to every production facility worldwide.



WORLDWIDE INFRASTRUCTURE
AND SUPPORT SERVICES

TOTAL QUALITY MANAGEMENT

LEAN PRODUCTION SYSTEM





Innovation, efficient service and quality

Key concepts that deliver real benefits to customers

Everything revolves around the customer at Camozzi with every action contributing to the delivery of customer benefits. Camozzi has a system in place to monitor customer needs and all activity is then driven by this. Our goal is to anticipate market trends and customer service

requirements and to continuously innovate. With this approach we aim to fulfil emerging requirements with solutions which add great value to each customer. We strive to achieve these objectives whilst also respecting the environment, ensuring a safe workplace, developing our human

resources and fully considering our social responsibilities. Camozzi will only operate in accordance with these ethical standards as we believe this approach to business helps to inspire additional customer confidence.

CUSTOMER RELATIONSHIP

INNOVATION

ENGINEERING & DESIGN
DEVELOPMENT
OF NEW TECHNOLOGIES
PARTNERSHIPS
WITH UNIVERSITIES
CAMOZZI RESEARCH
CENTER
COMMITMENT TO
CONSTANTLY IMPROVED
PERFORMANCE

EFFICIENT SERVICE

COSTS SAVINGS
ANALYSIS
LEAN THINKING
SUPPLY CHAIN
MANAGEMENT
ON-TIME DELIVERY
OPTIMISING
INTERNAL PROCESSES

SOLUTIONS

CUSTOMER NEEDS
ANALYSIS
ENGINEERING
CUSTOMISED TURNKEY
SOLUTIONS
PRODUCTION,
TESTING AND DELIVERY
PRE AND AFTER
SALES SERVICE

QUALITY

CERTIFIED SAFETY
PROCEDURES
ENVIRONMENTAL
AWARENESS
CONTINUOUS STAFF
TRAINING
FOCUS ON THE QUALITY
OF PRODUCTS AND
PRODUCTION PROCESSES
EMPLOYEE SATISFACTION

Series 6000M fittings for misting systems

External tube diameters: 1/4, 3/8, 1/2 inch

Fitting threads: 1/4, 3/8, 1/2 NPTF; 12/24 UNC; 10/24 UNC;
9/16-24 UNEF



Series 6000M fittings have been designed and produced to meet the specific requirements of the misting sector.

This new range takes origin from the already existing Series 6000, which has been changed and enriched with new accessories.

The push-in fittings system ensures maximum tightening even at very high working pressures.

GENERAL DATA

| | |
|------------------------|--|
| Materials | body and collet: nickel-plated brass O-ring: NBR |
| Threads | 1/4, 3/8, 1/2 NPTF; 12/24 UNC; 10/24 UNC; 9/16-24 UNEF |
| Pressure | -0.9 bar ÷ 80 bar (see the tubes) |
| Connection tube | Rilsan® polyamide 11 (PA11) polyamide 12 (PA12) metal tubes (for further details please contact our technicians) |
| Diameters | 1/4" (Ø 6,35), 3/8" (Ø 9,53), 1/2" (Ø 12,7) |
| Medium | water and compressed air (for other kinds of fluids please contact our technicians) |
| Temperature | -20°C ÷ 80°C (see the characteristics of the tubes used) |

Installation Procedures

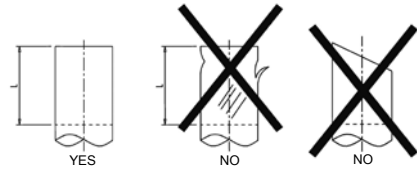
Connection of the tube

1. **Cut** the tube perpendicularly to its axis.
We recommend to use Camozzi tube cutters Mod. PNZ-12 or PNPZ-12.



WARNING

The tube should be clean and free from chips, cuts, scratches or any other damage before it is inserted into the connector.



2. **Insert** the tube into the connector.
Push it to the bottom of the internal surface of the connector.



WARNING

Ensure the tube is pushed up to the bottom of the connector.



3. **Disconnect** the tube.
Pull the collet towards the connector as shown by the arrows (Pic. 1), then the tube can be disconnected (Pic. 2).
If you have difficulty, you can use the tube disconnecting set Mod. SP.



WARNING

Ensure the system is decompressed before disconnecting the tube from the connector.

Pic. 1

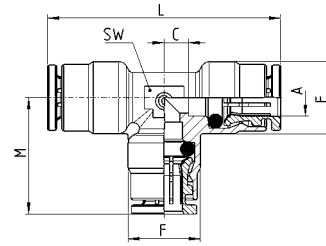


Pic. 2



Fittings Mod. 6540

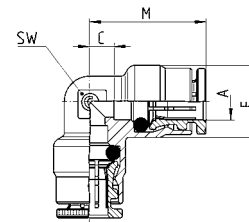
Union Tee


DIMENSIONS

| Mod. | A | C | F | L | M | SW | Weight (g) |
|-------------------|-----|-----|------|----|------|----|------------|
| 6540 04-00 | 1/4 | 4 | 12.7 | 40 | 20 | 9 | 23 |
| 6540 06-00 | 3/8 | 6 | 16.5 | 53 | 26 | 13 | 48 |
| 6540 08-00 | 1/2 | 7.1 | 19.5 | 53 | 26.5 | 15 | 54 |

Fitting Mod. 6550

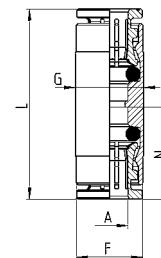
Union Elbow


DIMENSIONS

| Mod. | A | C | F | M | SW | Weight (g) |
|-------------------|-----|-----|------|------|----|------------|
| 6550 04-00 | 1/4 | 4 | 12.7 | 20 | 9 | 16 |
| 6550 06-00 | 3/8 | 6 | 16.5 | 26 | 13 | 35 |
| 6550 08-00 | 1/2 | 7.1 | 19.5 | 26.5 | 15 | 40 |

Fittings Mod. 6580

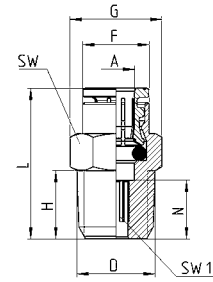
Union Straight


DIMENSIONS

| Mod. | A | F | G | L | N | Weight (g) |
|-------------------|-----|------|----|------|------|------------|
| 6580 04-00 | 1/4 | 11.7 | 12 | 33.5 | 16.2 | 15 |
| 6580 06-00 | 3/8 | 15.4 | 17 | 41 | 20 | 38 |
| 6580 08-00 | 1/2 | 18.3 | 19 | 39.5 | 19.2 | 36 |

Fittings Mod. 6510

NPTF Male Straight

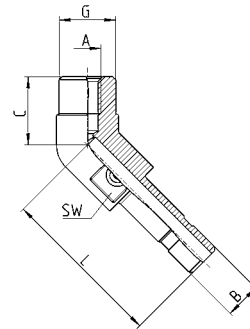


DIMENSIONS

| Mod. | A | D | C | F | G | H | L | SW | SW1 | Weight (g) |
|-------------------|-----|----------|------|------|------|------|------|----|-----|------------|
| 6510 04-04 | 1/4 | 1/4 NPTF | 10.3 | 11.7 | 16 | 12 | 26.5 | 14 | 4 | 19 |
| 6510 04-06 | 1/4 | 3/8 NPTF | 10.8 | 11.7 | 22 | 12 | 27 | 19 | 4 | 36 |
| 6510 06-06 | 3/8 | 3/8 NPTF | 9 | 15.4 | 22 | 12 | 29 | 19 | 7 | 34 |
| 6510 06-08 | 3/8 | 1/2 NPTF | 9.5 | 15.4 | 25.5 | 15.5 | 29.5 | 22 | 7 | 50 |
| 6510 08-08 | 1/2 | 1/2 NPTF | 10.8 | 18.3 | 25.5 | 15.5 | 30 | 22 | 10 | 44 |

Fittings Mod. 6103

45° Elbow Adaptor

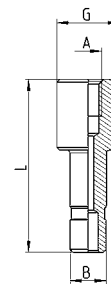


DIMENSIONS

| Mod. | A | B | C | G | L | SW | Weight (g) |
|-----------------------|-----------|-----|----|----|----|----|------------|
| 6103 04-32-S02 | 10/24 UNC | 1/4 | 12 | 10 | 29 | 11 | 13 |

Fittings Mod. 6953

Straight Adaptor

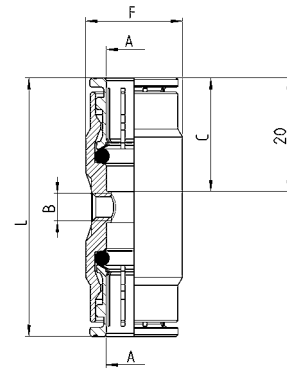


DIMENSIONS

| Mod. | A | B | G | L | Weight (g) |
|-----------------------|-----------|-----|----|------|------------|
| 6953 04-32-S02 | 10/24 UNC | 1/4 | 11 | 30.5 | 19 |

Fittings Mod. 6580 06...S0...

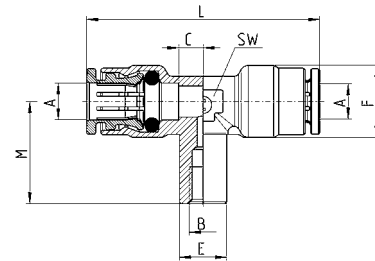
Union Straight with hole for nozzle


DIMENSIONS

| Mod. | A | B | C | F | L | Weight (g) |
|-----------------------|-----|-----------|----|----|------|------------|
| 6580 06-00-S01 | 3/8 | 10/24 UNC | 20 | 17 | 45.5 | 43 |
| 6580 06-00-S02 | 3/8 | 12/24 UNC | 20 | 17 | 46.5 | 44 |

Fittings Mod. 6540 04...S01

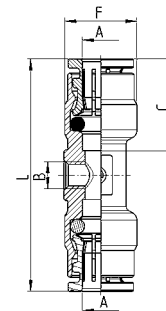
Union Tee Adaptor


DIMENSIONS

| Mod. | A | B | C | E | F | M | L | Weight (g) |
|------------------------------|-----|-----------|-----|-----|------|----|----|------------|
| 6540 04-10/24-UNC-S01 | 1/4 | 10/24 UNC | 4.3 | 8.3 | 12.7 | 18 | 41 | 23 |

Fittings Mod. 6540 04...S02

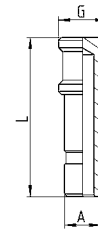
Union Straight with hole for nozzle


DIMENSIONS

| Mod. | A | B | C | F | L | Weight (g) |
|------------------------------|-----|-----------|------|------|----|------------|
| 6540 04-10/24-UNC-S02 | 1/4 | 10/24 UNC | 16.2 | 12.7 | 41 | 18 |

Fittings Mod. 6900

Male Plug

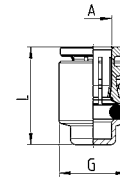


DIMENSIONS

| Mod. | A | L | G | Weight (g) |
|-------------------|-----|----|------|------------|
| 6900 04-OT | 1/4 | 28 | 8.5 | 6 |
| 6900 06-OT | 3/8 | 33 | 11.5 | 10 |

Fittings Mod. 6750

Female Plug

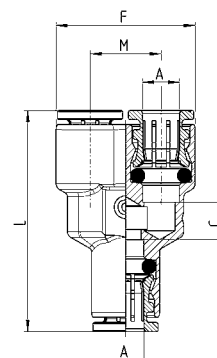


DIMENSIONS

| Mod. | A | G | L | Weight (g) |
|-------------------|-----|------|----|------------|
| 6750 04-00 | 1/4 | 12 | 17 | 6 |
| 6750 06-00 | 3/8 | 15.3 | 21 | 12 |
| 6750 08-00 | 1/2 | 18.2 | 20 | 14 |

Fittings Mod. 6560

Union Y

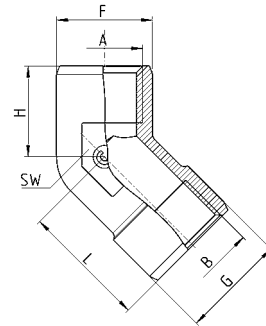


DIMENSIONS

| Mod. | A | C | F | L | M | Weight (g) |
|-------------------|------|-----|------|----|------|------------|
| 6560 02-00 | 1/8 | 5 | 18 | 33 | 9 | 21 |
| 6560 53-00 | 5/32 | 5 | 18 | 33 | 9 | 18 |
| 6560 04-00 | 1/4 | 6.5 | 24.5 | 39 | 12.5 | 29 |

Fittings Mod. 2103

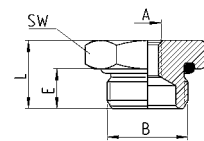
45° threaded Elbow


DIMENSIONS

| Mod. | A | B | F | G | H | L | SW | Weight (g) |
|-----------------------------|----------|--------------|----|------|----|----|----|------------|
| 2103 04-9/16-24-UNEF | 1/4 NPTF | 9/16-24-UNEF | 17 | 18.5 | 16 | 22 | 17 | 35 |

Fittings Mod. 2532

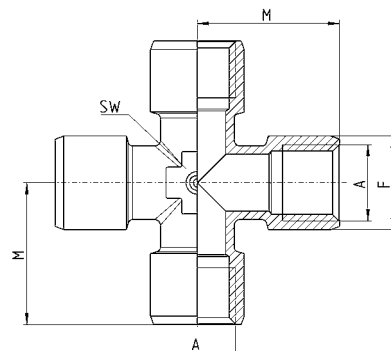
Plug Hole


DIMENSIONS

| Mod. | A | B | E | L | SW | Weight (g) |
|------------------------------------|-----------|--------------|---|----|----|------------|
| 2532 9/16-24-UNEF-10/24-UNC | 10/24 UNC | 9/16-24 UNEF | 7 | 12 | 19 | 16 |

Fittings Mod. 2033

Female Cross


DIMENSIONS

| Mod. | A | F | M | SW | Weight (g) |
|-------------------|----------|------|------|----|------------|
| 2033 04-00 | 1/4 NPTF | 16.5 | 25 | 14 | 59 |
| 2033 06-00 | 3/8 NPTF | 20 | 26.5 | 16 | 83 |

Tubes in polyamide PA11 Rilsan® Mod. TRSR

Colour: black



| Mod. | D/d | Max pressure at 23°C (bar) | Weight (g/m) | Bend radius (mm) | Lot (m) |
|----------------------|----------|----------------------------|--------------|------------------|---------|
| TRSR 6,35/3,2 | 6,35/3,2 | 87 | 24.3 | 40 | 100 |

Tubes in polyamide PA12 Mod. TSR

Colour: black



| Mod. | D/d | Max pressure at 23°C (bar) | Weight (g/m) | Bend radius (mm) | Lot (m) |
|-------------------|--------|----------------------------|--------------|------------------|---------|
| TSR 9,53/5 | 9,53/5 | 87 | 54.3 | 120 | 100 |
| TSR 12,7/7 | 12,7/7 | 87 | 89 | 120 | 100 |

Tubes cutters Mod. PNZ and PNZP

Replacement blades of Mod. PNZ can be ordered separately

Tubes cutter Mod. PNZP is in plastic



| Mod. | |
|----------------|--|
| PNZ-12 | able to cut tubes with Ø till to 12 mm |
| PNZP-12 | able to cut tubes with Ø till to 12 mm |

Disconnecting tube set Mod. SP

The set includes keys to disconnect tubes with diameters between 5/32" and 1/2".



| Mod. |
|-----------|
| SP |



Camozzi worldwide network

To respond and act quickly

PRESENCE ON EVERY CONTINENT

23 BRANCHES

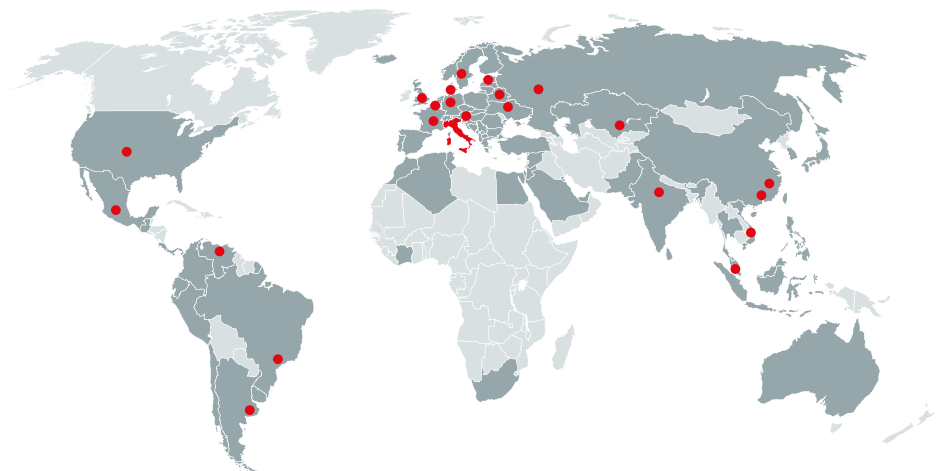
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6 PRODUCTION SITES

OVER 1200 EMPLOYEES

To understand markets, and the small but important differences between them, you need to be there, speak the language and look into people's eyes, and not only use the

essential digital tools we all use every day. This is why we now have an international network based in Italy but present on every continent.



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- Complete and Customised Solutions
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