



Viro-Zero

MTP Cleanable Nozzle

Nozzle Specifications:

Orifice Size	0.2mm
Nozzle Size	24mm x 9mm x 9mm
Nozzle Weight	10g
Nozzle Body	303 Stainless Steel
Nozzle O-ring	Viton
Temperature Range	-50°C - 230°C
Thread	10/24
Flow Rate @ 42 Bar	0.047 L/Min
Flow Rate @ 70 Bar	0.067 L/Min
Droplet Size spread Rate	1.4µm - 37.9µm
Minimum Pressure	Higher than 22 Bar
Operating Pressure	22 - 70 Bar
Maximum Pressure	100 Bar
Closing Pressure	Less than 22 Bar
Drip Potential	Non-drip

Nozzle Specifications:

Orifice Size	0.3mm
Nozzle Size	24mm x 9mm x 9mm
Nozzle Weight	10g
Nozzle Body	303 Stainless Steel
Nozzle O-ring	Viton
Temperature Range	-50°C - 230°C
Thread	10/24
Flow Rate @ 42 Bar	0.080 L/Min
Flow Rate @ 70 Bar	0.113 L/Min
Droplet Size spread Rate	1.6µm - 39.1µm
Minimum Pressure	Higher than 22 Bar
Operating Pressure	22 - 70 Bar
Maximum Pressure	100 Bar
Closing Pressure	Less than 22 Bar
Drip Potential	Non-drip



Nozzle Specifications:

Orifice Size	0.4mm
Nozzle Size	24mm x 9mm x 9mm
Nozzle Weight	10g
Nozzle Body	303 Stainless Steel
Nozzle O-ring	Viton
Temperature Range	-50°C - 230°C
Thread	10/24
Flow Rate @ 42 Bar	0.122 L/Min
Flow Rate @ 70 Bar	0.172 L/Min
Droplet Size spread Rate	3.8µm - 47.9µm
Minimum Pressure	Higher than 22 Bar
Operating Pressure	22 - 70 Bar
Maximum Pressure	100 Bar
Closing Pressure	Less than 22 Bar
Drip Potential	Non-drip

Nozzle Specifications:

Orifice Size	0.5mm
Nozzle Size	24mm x 9mm x 9mm
Nozzle Weight	10g
Nozzle Body	303 Stainless Steel
Nozzle O-ring	Viton
Temperature Range	-50°C - 230°C
Thread	10/24
Flow Rate @ 42 Bar	
Flow Rate @ 70 Bar	0.189 L/Min
Droplet Size spread Rate	9.5µm - 49.9µm
Minimum Pressure	Higher than 22 Bar
Operating Pressure	22 - 70 Bar
Maximum Pressure	100 Bar
Closing Pressure	Less than 22 Bar
Drip Potential	Non-drip



Viro-Zero



T-Piece Compression

Tubing Size	10mm
Compression T-piece Size	60mm x 22mm x 22mm
Compression T-piece Weight	90g
Compression T-piece Body	Brass - Nickle Plated
Compression T-piece Thread	3/8"
Compression Ferrule	3
Temperature Range	50°C
Maximum Pressure	57 Bar
Drip Potential	Unlikely if fitted properly within pressure range



Union Compression

Tubing Size	10mm
Compression Union Size	45mm x 22mm x 22mm
Compression Union Weight	70g
Compression Union Body	Brass - Nickle Plated
Compression Union Thread	3/8"
Compression Ferrule	2
Temperature Range	50°C
Maximum Pressure	57 Bar
Drip Potential	Unlikely if fitted properly within pressure range



Elbow Compression

Tubing Size	10mm
Compression Elbow Size	40mm x 22mm x 22mm
Compression Elbow Weight	72g
Compression Elbow Body	Brass - Nickle Plated
Compression Elbow Thread	3/8"
Compression Ferrule	2
Temperature Range	50°C
Maximum Pressure	57 Bar
Drip Potential	Unlikely if fitted properly within pressure range



DryMist Aluminium Fitting

ID Size	10mm
DryMist Body Size	30mm x 22mm x 22mm
DryMist Body Weight	12g
DryMist Body	Aluminium
DryMist Body O-rings	NBR or Viton
Temperature Range	-50°C - 230°C
Thread For Nozzle	10/24
Minimum Pressure	2 Bar
Operating Pressure	2 - 70 Bar
Maximum Pressure	100 Bar



Viro-Zero



Nozzle Plug

Orifice Size	None
Nozzle Plug Size	10mm x 9mm x 9mm
Nozzle Plug Weight	2g
Nozzle Plug Body	Brass
Nozzle Plug O-ring	NBR
Temperature Range	-26°C – 120°C
Thread	10/24
Operating Pressure	0 – 70 Bar
Maximum Pressure	70 Bar

Polypropylene Tubing

Tubing Type	Natural Polypropylene
Tubing Use	High Pressure
Tubing Size – OD	10mm
Tubing Size – ID	7.5mm
Tubing Operating Pressure	2 Bar to 70 Bar
Tubing Maximum Pressure	80 Bar
Tubing Maximum Temperature	45°C
Packaging	1 x 10m roll
Weight	530g
Dimensions	500mm x 100mm

High Pressure Mist Systems and kits all use a range of high pressure nozzles to deliver high quality, high volume dry mist. High pressure nozzles require a minimum pressure to open and operate. High pressure nozzles are classified as being non-drip as the nozzle will “close” immediately when the line pressure drop below the minimum opening pressure of the nozzle. Care should be taken to use these nozzles only in high pressure systems.

High pressure nozzles are easy to install and maintain. To clean these nozzles simply soak them overnight in a vinegar solution, rinse and then replace. Do not try to “open up” any blocked High pressure nozzles with sharp objects as this would permanently damage the nozzle and affect the misting pattern.

High pressure MTP nozzles are available in a wide range of sizes. Call us if you need help with deciding which is the best nozzle for you application.

Average droplet sizes are generally indicated as:

High Pressure Mist Systems	
Steam/Mist	1µm – 50µm
Fog	50µm – 100µm
Drizzle	100µm – 300µm
Light Rain	300µm – 1000µm
Heavy Rain	1000µm – 5000µm