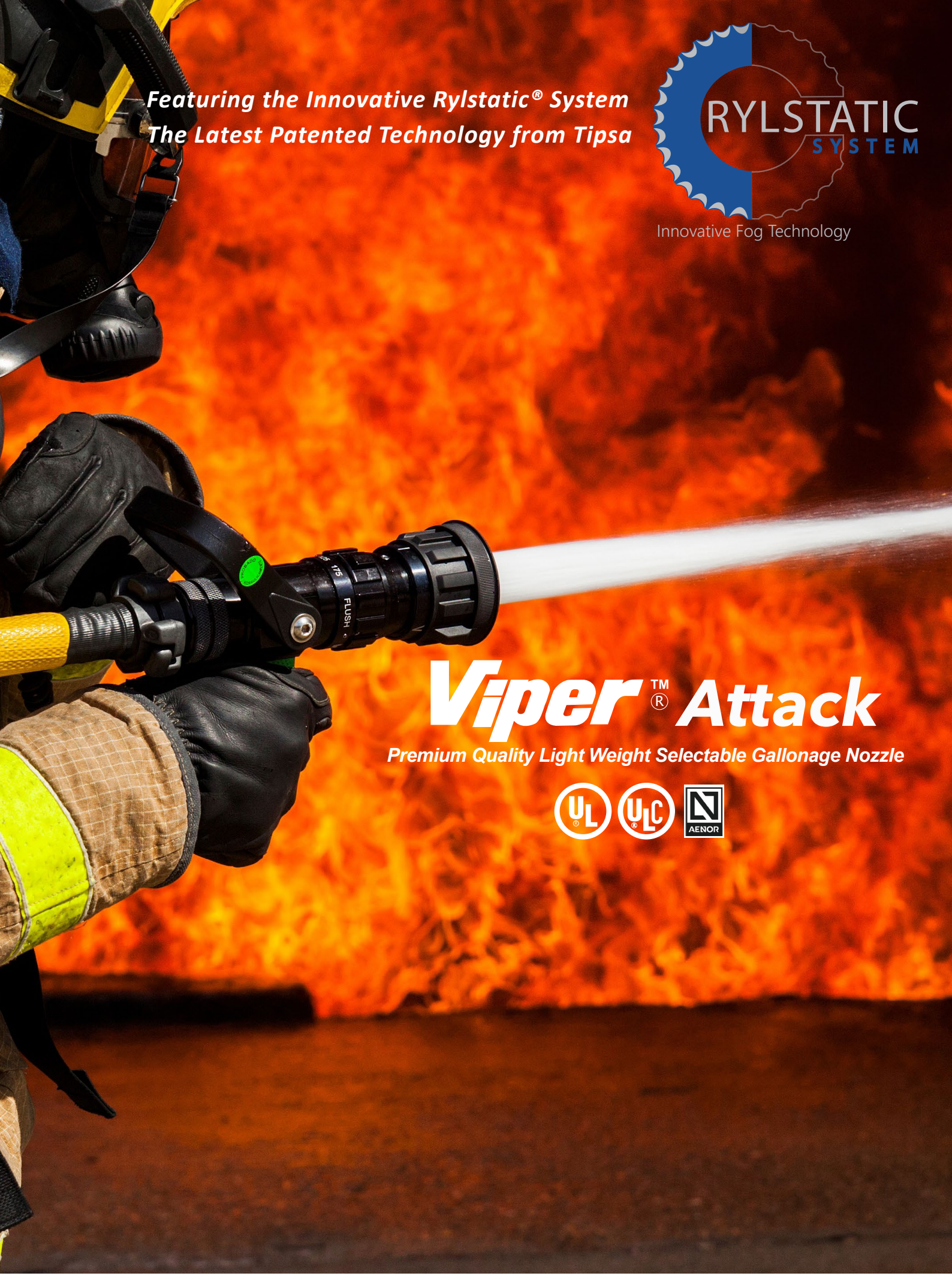
Featuring the Innovative Rylstatic® System
The Latest Patented Technology from Tipsa
RYLSTATIC
SYSTEM
Innovative Fog Technology
Viper™ ® Attack
Premium Quality Light Weight Selectable Gallonage Nozzle
UL
ULC
AENOR
Always on the front line of fire
tipsa
Kuriyama Group

# Viper™ ® Attack

## Premium Quality Light Weight Selectable Gallonage Nozzle

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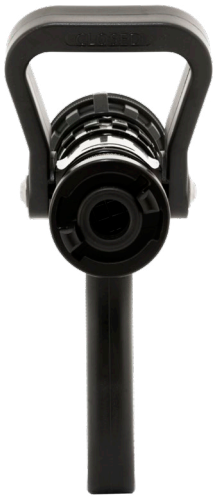
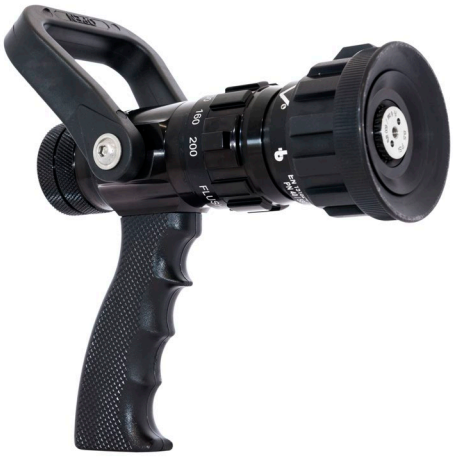
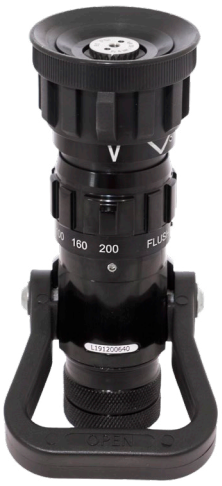
| | |
|---|---|
| Versatile Low Weight Selectable Flow Nozzles | UL Listed Version Available for the 1 1/2" VA 3012 nozzle and EN 15182-4 Type 3 Certified for VA 1562 |
| Patented Rylstatic System for an Exceptional Fog Pattern - Maintenance Free | Designed & Built to Meet NFPA 1964 & UNE EN 15182-2 Type 3 Requirements |







### Flow Settings:

The flow rate can be set through an easy grip ring featuring preset positions. The flow ring has a raised lug to identify the maximum flow setting in low visibility conditions. The FLUSH mode is used to ensure that any debris is flushed from the nozzle to avoid pattern disruptions or flow reductions. All the models include a pressure eliminator for ease of flow settings at different pressures.

### Stream Pattern:

The nozzle stream is adjusted by rotating the bumper giving the firefighter the widest fog pattern (Full Fog – Protection) to the narrowest fog pattern (Narrow Fog and Straight Stream). The bumper has a raised lug to identify the Narrow Fog in low visibility conditions. The VIPER ATTACK series comes standard with the innovative patented fog pattern called RYLSTATIC®. RYLSTATIC® is a system that gives you a uniform water fog with smaller water droplets and less friction loss than other traditional systems. VIPER ATTACK nozzles have been designed to offer a broader fog shield of protection to the firefighters. Fog pattern options: The VIPER ATTACK nozzle includes by default the RYLSTATIC® system. It can also include the DUAL system on request, which combines the RYLSTATIC® system with the rotating turbine.

### Shut Off Valve:

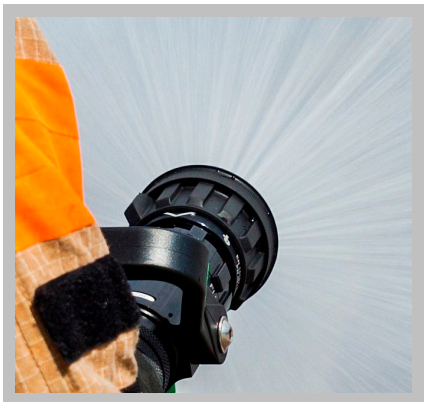
The valve has a dual seat and dual driven shaft to offer better performance against water hammer and to enhance its durability. The valve itself is low maintenance with a stainless steel ball valve operated through an OPEN/CLOSE handle. The operation is smooth and constant allowing firefighters to open and close the valve easily.

### Stainless Steel Inlet Screen:

A stainless steel screen is mounted within the inlet to prevent materials from entering the nozzle, which reduces the risk of damage or failure during operation.

### Ring Markings:

Markings on the flow selector ring and the pattern ring are laser engraved onto anodized aluminum that are easy to read and will not fade.



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# Viper™ ® Attack

## Premium Quality Light Weight Selectable Gallonage Nozzle

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### Lot Number:

Every nozzle is marked with a lot number before leaving the factory. This number can be used for traceability purposes.

### Inlet Options:

The VIPER ATTACK® selectable flow nozzles are available with the following standard threads:

· NST/NH Female

· NPSH/IPT Female

· BSP Female

The VIPER ATTACK nozzles are available upon request with the following couplings: STORZ, BARCELONA UNE 23400, DSP/GUILLEMIN, UNI, NOR and GOST.

The swivel inlet allows the nozzle to rotate continuously while connected to the supply hose.

### Foam:

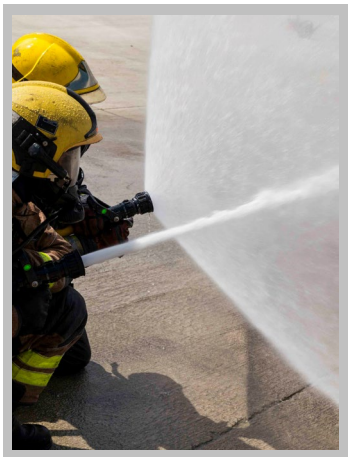
The VIPER ATTACK® nozzle can be used as an aspirating foam nozzle with the addition of the optional foam tube. The nozzle works well with pre-mixed solutions or with in-line eductors.

### Approvals and Standards:

The VIPER ATTACK® nozzles comply with NFPA 1964, EN15182-1 & EN15182-2 Type 3, and have been manufactured in an ISO9001 accredited facility. Self-certificate available by request.

### Service and Maintenance:

The VIPER ATTACK® nozzle requires minimal maintenance during operation provided the unit is regularly flushed with clean water after being used with foam or contaminated water. Service kits are also available.



tipsa Reserves the right to modify any specification without prior notice to meet or exceed changing standards. Special construction characteristics can be produced upon special request. Contact your local dealer or TIPSA at: tipsaex@tipsa.com

***The innovative RYLSTATIC® System is a patented technology***

| 1" Viper® Attack * | Nozzle Model | Length | | Weight | | Swivel Inlet | Nozzle flow | | Effective Reach | | Attach. Foam Tube |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | Inch | kg | lbs | inch | lpm (at 6 bar) | gpm (at 100 psi) | m (at 6 bar) | ft (at 100 psi) | |
|  | VA 539 | 20 | 7.87 | 1.35 | 2.97 | 1" Female | 19 | 5 | 15 | 51 | CEP VA 1" |
| | | | | | | | 37 | 10 | 19 | 65 | |
| | | | | | | | 90 | 24 | 22 | 75 | |
| | | | | | | | 150 | 40 | 25 | 85 | |
| | VA 540 | 20 | 7.87 | 1.35 | 2.97 | 1" Female | 25 | 5 | 16 | 54 | |
| | | | | | | | 50 | 13 | 20 | 68 | |
| | | | | | | | 75 | 20 | 22 | 75 | |
| | | | | | | | 150 | 40 | 25 | 85 | |
| | VA 550 | 20 | 7.87 | 1.35 | 2.97 | 1" Female | 25 | 5 | 16 | 54 | |
| | | | | | | | 50 | 15 | 20 | 68 | |
| | | | | | | | 125 | 20 | 24 | 82 | |
| | | | | | | | 175 | 40 | 26 | 88 | |
| | VA 562 | 20 | 7.87 | 1.35 | 2.97 | 1" Female | 25 | 5 | 16 | 54 | |
| | | | | | | | 40 | 10 | 19 | 65 | |
| | | | | | | | 100 | 26 | 23 | 78 | |
| | | | | | | | 150 | 40 | 25 | 85 | |
| | | | | | | | 235 | 62 | 28 | 95 | |
| | VA 1560 | 20 | 7,87 | 1.35 | 2.97 | 1" Female | 50 | 15 | 20 | 68 | |
| | | | | | | | 1" | 30 | 23 | 78 | |
| | | | | | | | 160 | 45 | 25 | 85 | |
| | | | | | | | 200 | 60 | 27 | 92 | |
| | VA 1562** | 20 | 7.87 | 1.35 | 2.97 | 1" Female | 50 | 15 | 20 | 68 | |
| | | | | | | | 100 | 30 | 23 | 78 | |
| | | | | | | | 160 | 45 | 25 | 85 | |
| | | | | | | | 235 | 62 | 28 | 95 | |
| | VA 1566 | 20 | 7,87 | 1.35 | 2.97 | 1" Female | 50 | 15 | 20 | 68 | |
| | | | | | | | 100 | 30 | 23 | 78 | |
| | | | | | | | 160 | 45 | 25 | 85 | |
| | | | | | | | 250 | 66 | 28 | 95 | |

*High pressure option available as well for a perfect performance even at 580 psi (40 bar), according to EN 15182-4 Type 3

** Nozzle available in high pressure PN40 and EN 15182-4 Type 3 Certified.

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# Viper™ ® Attack

## Premium Quality Light Weight Selectable Gallonage Nozzle

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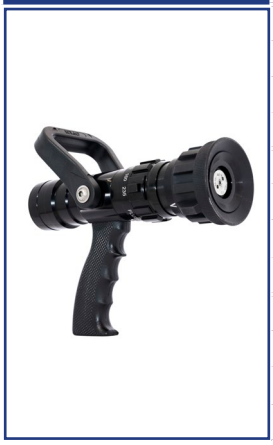
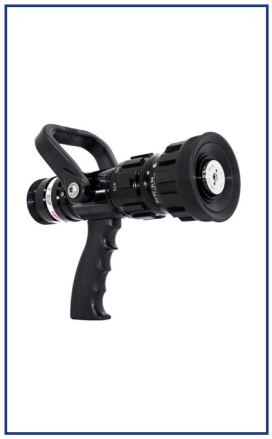
| 1 ½ Viper® Attack | Nozzle Model | Length | | Weight | | Swivel Inlet | Nozzle flow | | Effective Reach | | Attach. Foam Tube |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | Inch | kg | lbs | inch | lpm (at 6 bar) | gpm (at 100 psi) | m (at 6 bar) | ft (at 100 psi) | |
|  | VA 1562 | 23.3 | 9.17 | 1.50 | 3.31 | 1 ½" Female | 50 | 15 | 20 | 68 | CEP VA 1" |
| | | | | | | | 100 | 30 | 23 | 78 | |
| | | | | | | | 160 | 45 | 25 | 85 | |
| | | | | | | | 235 | 62 | 28 | 95 | |
| | VA 3510 | 23.5 | 9.25 | 1.78 | 3.92 | 1 ½" Female | 130 | 35 | 24 | 82 | CEP VA 1 1/2" |
| | | | | | | | 230 | 60 | 27 | 92 | |
| | | | | | | | 300 | 80 | 30 | 102 | |
| | | | | | | | 400 | 105 | 35 | 119 | |
| | VA 3012* | 23.5 | 9.25 | 1.78 | 3.92 | 1 ½" Female | 115 | 30 | 23 | 78 | |
| | | | | | | | 230 | 60 | 27 | 92 | |
| | | | | | | | 360 | 95 | 33 | 112 | |
| | | | | | | | 475 | 125 | 37 | 126 | |

*UL Listed version available for the VA 3012 model in gallons per minute and NH & NPSH thread

| 2" Viper® Attack | Nozzle Model | Length | | Weight | | Swivel Inlet | Nozzle flow | | Effective Reach | | Attach. Foam Tube |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | Inch | kg | lbs | inch | lpm (at 6 bar) | gpm (at 100 psi) | m (at 6 bar) | ft (at 100 psi) | |
|  | VA 3510 | 25.9 | 10.20 | 1.86 | 4.09 | 2" Male | 130 | 35 | 24 | 82 | CEP VA 1 1/2" |
| | | | | | | | 230 | 60 | 27 | 92 | |
| | | | | | | | 300 | 80 | 30 | 102 | |
| | | | | | | | 400 | 105 | 35 | 119 | |
| | VA 3012 | 25.9 | 10.20 | 1.86 | 4.09 | 2" Male | 115 | 30 | 23 | 78 | |
| | | | | | | | 230 | 60 | 27 | 92 | |
| | | | | | | | 360 | 95 | 33 | 112 | |
| | | | | | | | 475 | 125 | 37 | 126 | |
| | VA 12250 | 31.5 | 12.40 | 3.52 | 7.76 | 2" Male | 470 | 125 | 37 | 126 | CEP VA 2 1/2" |
| | | | | | | | 560 | 150 | 38 | 129 | |
| | | | | | | | 750 | 200 | 39 | 133 | |
| | | | | | | | 950 | 250 | 41 | 139 | |

| 2 ½ Viper® Attack | Nozzle Model | Length | | Weight | | Swivel Inlet | Nozzle flow | | Effective Reach | | Attach. Foam Tube |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cm | Inch | kg | lbs | inch | lpm (at 6 bar) | gpm (at 100 psi) | m (at 6 bar) | ft (at 100 psi) | |
|  | VA 12250 | 33.3 | 13.11 | 3.72 | 8.20 | 2 ½" Female | 470 | 125 | 37 | 126 | CEP VA 2 1/2" |
| | | | | | | | 560 | 150 | 38 | 129 | |
| | | | | | | | 750 | 200 | 39 | 133 | |
| | | | | | | | 950 | 250 | 41 | 139 | |

The Effective Reach measured in feet is at 100 PSI, while the effective reach measured in meters is at 6 Bar (85 PSI).

The RYLSTATIC® System is a low maintenance system.