

HANDLINE NOZZLES
LANCES À MAIN



FORUM LLC

OFFICIAL DEALER



HIGH
PERFORMANCE



BUILT TO
PROTECT



RELIABLE IN
EVERY FLOW

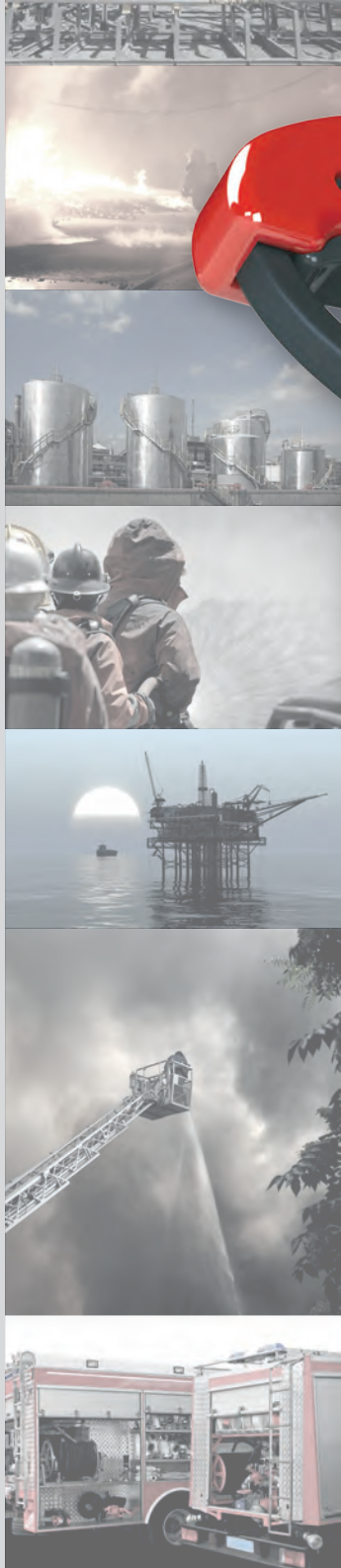


POK-USA.COM



INFO@POK-USA.COM

WE CREATE WITH **PASSION**



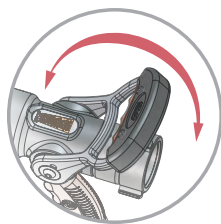
Hand nozzles

Hand nozzles - Dual pressure	10	Hand nozzles - Specific use.....	48
Hand nozzles - Selectable flow rate	13	Shutoffs without pistol grip	54
Hand nozzles - Autoregulated with slide valve	24	Shutoffs with pistol grip.....	55
Hand nozzles - Autoregulated with ball valve.....	30	Waterwall nozzles	56
Hand nozzles - Fixed flow rate.....	36	Anti-recoil elbows	57
Hand nozzles - Color options.....	42	Hand nozzles - Accessories	58
Hand nozzles - Marine type - Fixed flow rate	43	Hand nozzles - Foam attachments	60
Hand nozzles - Marine type - Selectable flow rate	44	Nozzle shutoffs.....	62
Hand nozzles - High pressure	47		

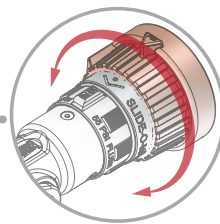
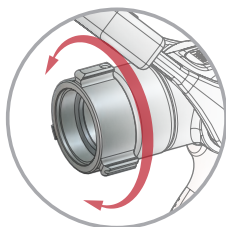
Shutoff handle with polyurethane protection. Shutoff with slide valve, with indexing of the positions at 20%, 40%, 60%, 80% and 100 % of the flow rate when pushed fully to the stop position.

Conform to norm
EN 15182-2

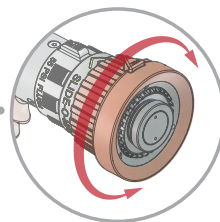
Selection ring to operate the nozzle at 50 or 100 PSI while keeping the same flow rate in maximum open position of the shutoff. **FLUSH** position obtained on full stop limit of the selection ring.



Swivel inlet coupling conform to international norms



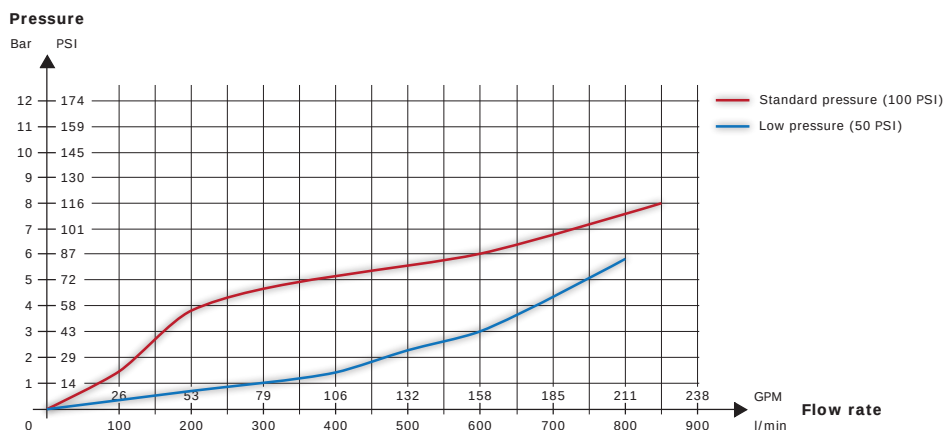
Bumper guard with tactile markings indicating the shape of the stream pattern.
3 stream patterns positions: straight jet, flashover (30°), wide angle spray (130°)



TECHNICAL CHARACTERISTICS

- **Flow adjustment** is accomplished by operating the shutoff handle from the closed to the fully open position passing through the **four intermediate settings** corresponding to 20% of the maximum flow rate for the first setting, 40% of the maximum flow rate for the second, 60% of the maximum flow rate for the third and 80% of maximum flow rate for the fourth.
- A **selection ring** allows the user to operate the nozzle at a pressure of **100 PSI** or at **50 PSI** while maintaining the same flow rate in the maximum open position. This ring also has a third position marked **PURGE or FLUSH** which permits the removal of particles which could interfere with the proper hydraulic operation of the nozzle.
- **Selectable stream pattern**: a continuous rotation of the head ring allows the user to progress from a **straight stream** to a **narrow spray** of 30° called "Flashover", to a full **fog diffusion cone of 130°** forming a wall of water. **Tactile and visual indicators** permit the user to know the type of stream even in total darkness and while wearing firefighting gloves conforming to EN 659.
- **Swivel inlet connection.**
- Functions under nominal pressure **230 PSI**.
- **Aluminium alloy adjustable flow rate with robust shutoff handle**, piston, screws and bolts in stainless steel.

CURVES FLOW RATE/PRESSURE - For the 150 GPM version



CONSTRUCTION

- **Aluminium alloy** construction, AGS T5, new titrated alloy, extremely light.
- Resistant to mechanical shock and chemical attack with **50µm hard anodisation**.
- The head is protected with a **polyurethane bumper guard**. This elastomer does not melt under heat, is an excellent insulator which allows the user to work under high heat conditions without burning and does not stick to the fingers in low temperatures.
- Ergonomic, anti-slip polyurethane pistol grip.
- Pins and screws in stainless steel

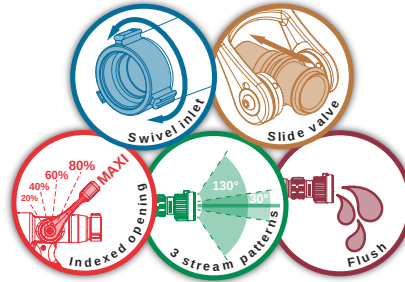
Hand nozzles - Dual pressure



Our "Slide-O-Matic" nozzle range with dual automatically regulated pressure is equipped with a selection ring for operating at 50 or 100 PSI, without stopping the flow, by simply rotating the ring.

The different flow rates are selectable through an axial valve.

The head ring with tactile markings allows the selection of the different stream patterns (straight jet, flashover and wide angle spray).



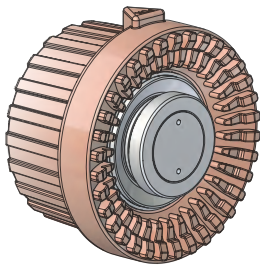
Maximum working pressure: 230 PSI
Shutoff: with slide valve
Opening: by operating handle
Flush position: YES
Pressure regulation: from 50 to 150 GPM
Material: aluminium alloy
Surface treatment: hard anodisation
Body type: molded
Pistol grip: one

Options: low expansion foam attachment, medium expansion foam attachment.

Bumper guard colors:

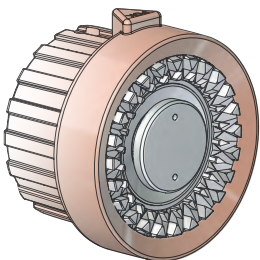
Conform to norm EN 15182-2

Slide-O-Matic 150 - molded rubber teeth



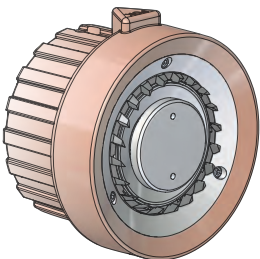
Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
Swivel 1.5" NST-NH female	150 GPM	50/100 PSI	11.97 x 10.16 x 4.96	6.83	27655

Slide-O-Matic 150 - teeth cut in aluminium alloy



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
Swivel 1.5" NST-NH female	150 GPM	50/100 PSI	11.97 x 10.16 x 4.96	6.83	29285

Slide-O-Matic 150 - spinning teeth



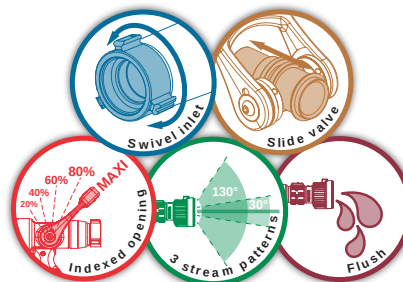
Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
Swivel 1.5" NST-NH female	150 GPM	50/100 PSI	11.97 x 10.16 x 4.96	6.83	29281



Our "Slide-O-Matic" nozzle range with dual automatically regulated pressure is equipped with a selection ring for operating at 50 or 100 PSI, without stopping the flow, by simply rotating the ring.

The different flow rates are selectable through an axial valve.

The head ring with tactile markings allows the selection of the different stream patterns (straight jet, flashover and wide angle spray)

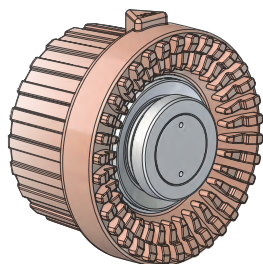


Maximum working pressure: 230 PSI
Shutoff: with slide valve
Opening: by operating handle
Flush position: YES
Pressure regulation: from 100 to 300 GPM
Material: aluminium alloy
Surface treatment: hard anodisation
Body type: molded
Pistol grip: double

Options: low expansion foam attachment, medium expansion foam attachment.

Bumper guard colors:

Slide-O-Matic 300



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
2.5" NST-NH female swivel	300 GPM	50/100 PSI	16.89 x 12.28 x 6.57	10.58	27660

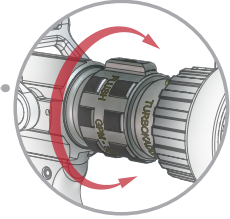


Operating handle with protective grip in polyurethane. Ball valve shutoff, quick and progressive opening and closure.

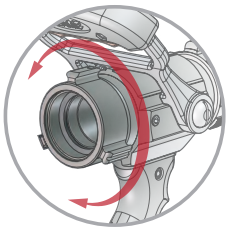


Conform to norm
EN 15182-2

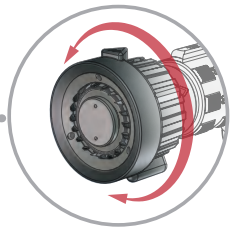
Flow rate ring to select flow rates at a reference pressure of 100 PSI and ending with the FLUSH position. The raised lug indicates the highest flow rate.



Swivel inlet coupling conform to international norms



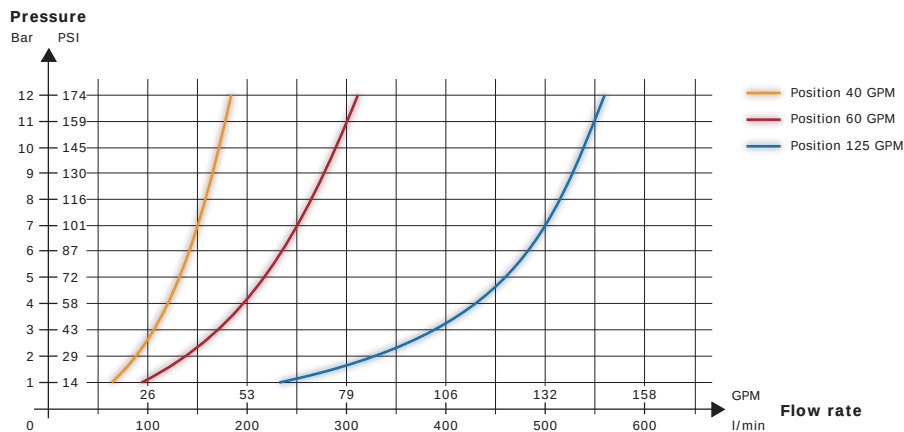
The anti-shock bumper guard in polyurethane has tactile markings to indicate the stream pattern.
3 stream patterns positions: straight jet, flashover (30°), wide angle spray (130°)



TECHNICAL CHARACTERISTICS

- The flow rate and flush is adjusted by rotating the **flow rate adjustment ring**. The available flow rates are engraved on the ring. By rotating the ring to the desired setting, the flow rate will be set to this value at the **100 PSI** reference pressure. A tactile indicator permits the user to know the flow setting even in total darkness and while wearing firefighting gloves (**conform to EN 659**).
- This ring has a position marked **PURGE or FLUSH** which permits the removal of particles which could interfere with the proper hydraulic operation of the nozzle.
- **Selectable stream pattern**: a continuous rotation of the head ring allows the user to progress from a **straight stream** to a **narrow spray** also called "Flashover", to a full **fog diffusion cone of 130°** forming a wall of water. **Tactile and visual indicators** permit the user to know the type of stream even in total darkness and while wearing firefighting gloves.
- **Swivel inlet connection**.
- **Protection filter** protects against pebbles at the inlet connection.
- Functions under nominal pressure **230 PSI**.
- Quick On/Off Shutoff valve.

CURVES FLOW RATE/PRESSURE - For the 125 GPM version



CONSTRUCTION

- **Aluminium alloy** construction, AGS T5, new titrated alloy, extremely light.
- Resistant to mechanical shock and chemical attack with **50µm hard anodisation**.
- The head is protected with a **polyurethane bumper guard**. This elastomer does not melt under heat, is an excellent insulator which allows the user to work under high heat conditions without burning and does not stick to the fingers in low temperatures.
- Ergonomic, anti-slip polyurethane pistol grip.
- Pins and screws in stainless steel.



Our family of selectable flow rate nozzles exists in 2 versions "lite" and "kador". The "lite" version is lighter and more economical. The calibrated flow rates are easily selectable through an indexed ring. The raised lug indicates the highest flow rate. The head ring with tactile markings allows to select from several stream patterns (straight jet, flash over and wide angle spray). This family of nozzles comes with three possibilities of tips: Turbo (with spinning teeth), Debi (teeth cut in aluminium alloy) and Magi (molded rubber teeth).

Maximum working pressure: 230 PSI

Shutoff: ball valve

Opening: by operating handle

Flush position: YES

Material: aluminium alloy

Surface treatment: hard anodisation

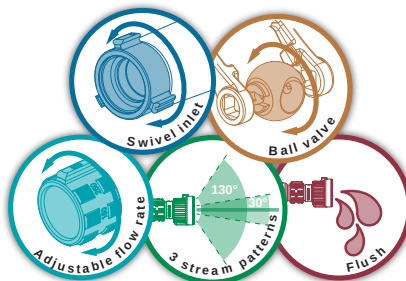
Body type: molded

Pistol grip: one

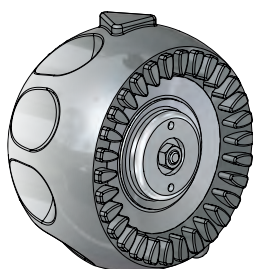
Options: low expansion foam attachment, medium expansion foam attachment

Bumper guard colors:

Conform to norm EN 15182-2

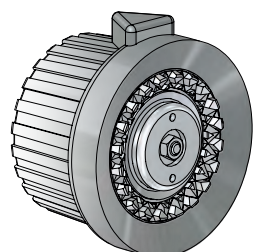


Magilite 40



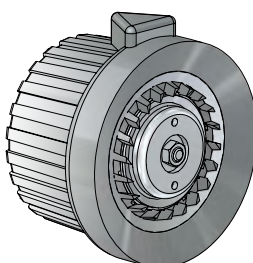
Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1" NST-NH female	10-20-25-40 GPM	100 PSI	10.24 x 8.82 x 3.74	3.09	18375
1.5" NST-NH female	10-20-25-40 GPM	100 PSI	10.24 x 8.82 x 3.74	3.09	18376

Debolite 40



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1" NST-NH female	10-20-25-40 GPM	100 PSI	10.24 x 8.82 x 3.74	3.09	18373
1.5" NST-NH female	10-20-25-40 GPM	100 PSI	10.24 x 8.82 x 3.74	3.09	18374

Turbolite 40



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1" NST-NH female	10-20-25-40 GPM	100 PSI	10.24 x 8.82 x 3.74	3.09	18371
1.5" NST-NH female	10-20-25-40 GPM	100 PSI	10.24 x 8.82 x 3.74	3.09	18372

Hand nozzles - Selectable flow rate



Our family of selectable flow rate nozzles of 40 GPM exists in 2 versions "lite" and "kador". The calibrated flow rates are easily selectable through an indexed ring. The maximum flow rate is indicated by a raised lug. The head ring with tactile markings allows to select from several stream patterns (straight jet, flash over and wide angle spray). This family of nozzles comes with three possibilities of tips: Turbo (with spinning teeth), Debi (teeth cut in aluminium alloy) and Magi (molded rubber teeth).

Maximum working pressure: 230 PSI

Shutoff: ball valve

Opening: by operating handle

Flush position: YES

Material: aluminium alloy

Surface treatment: hard anodisation

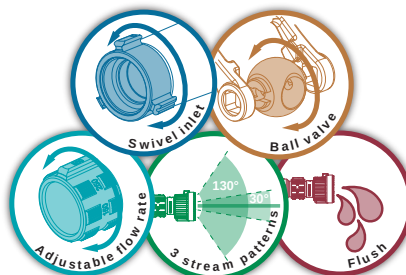
Body type: cut into bars

Pistol grip: one

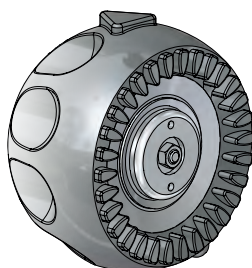
Options: low expansion foam attachment, medium expansion foam attachment.

Bumper guard colors:

Conform to norm EN 15182-2

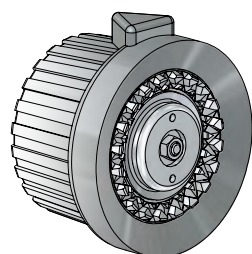


Magikador 40



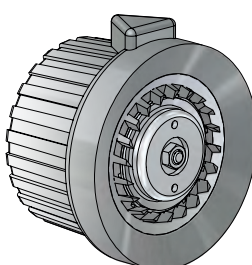
Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1" NST-NH female	10-20-25-40 GPM	100 PSI	10.98 x 10.47 x 4.96	4.41	18400
1.5" NST-NH female	10-20-25-40 GPM	100 PSI	10.98 x 10.47 x 4.96	4.41	18401

Debikador 40



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1" NST-NH female	10-20-25-40 GPM	100 PSI	10.98 x 10.47 x 4.96	4.41	13718
1.5" NST-NH female	10-20-25-40 GPM	100 PSI	10.98 x 10.47 x 4.96	4.41	13719

Turbokador 40



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1" NST-NH female	10-20-25-40 GPM	100 PSI	10.98 x 10.47 x 4.96	4.41	02311
1.5" NST-NH female	10-20-25-40 GPM	100 PSI	10.98 x 10.47 x 4.96	4.41	02310



The selectable flow rate nozzles of 125 GPM are available in two versions. The "ECO" version uses a molded aluminium alloy body.

The calibrated flow rates are easily selectable through an indexed ring. The maximum flow rate is indicated by a raised lug. The stream patterns are changed by rotating the head ring with tactile markings (straight jet, flashover, wide angle spray).

This family of nozzles comes with three possibilities of tips:

Turbo (with spinning teeth), Debi (teeth cut in aluminium alloy) and Magi (molded rubber teeth).

These nozzles are used by a large number of firefighters across the globe.

Maximum working pressure: 230 PSI

Shutoff: ball valve

Opening: by operating handle

Flush position: YES

Material: aluminium alloy

Surface treatment: hard anodisation

Body type: molded

Pistol grip: one

Options: low expansion foam attachment, medium expansion foam attachment.

Bumper guard colors:

Conform to norm EN 15182-2



Russian Certificate



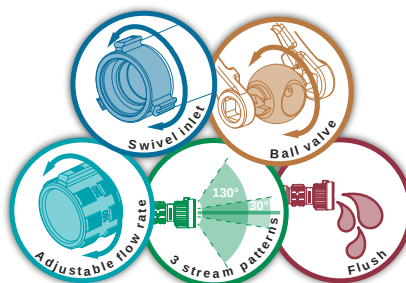
Polish Certificate



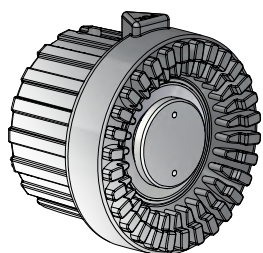
Czech Republic Certificate



Chinese Certificate

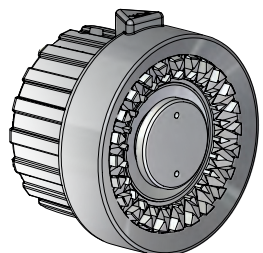


Magikador 125 - ECO



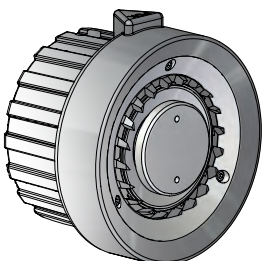
Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	30-60-95 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	28651
1.5" NST-NH female	60-95-125 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	28654
1.5" NST-NH female	30-60-95-125 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	28657
1.5" NST-NH female	40-60-95-125 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	28660

Debikador 125 - ECO



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	30-60-95 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	28652
1.5" NST-NH female	60-95-125 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	28655
1.5" NST-NH female	30-60-95-125 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	28658
1.5" NST-NH female	40-60-95-125 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	28661

Turbokador 125 - ECO



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	30-60-95 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	28653
1.5" NST-NH female	60-95-125 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	28656
1.5" NST-NH female	30-60-95-125 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	28659
1.5" NST-NH female	40-60-95-125 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	28662

Hand nozzles - Selectable flow rate



The selectable flow rate nozzles of 125 GPM are available in two versions: "ECO" and "Premium".

The calibrated flow rates are easily selectable through an indexed ring. The maximum flow rate is indicated by a raised lug. The stream patterns are changed by rotating the head ring with tactile markings (straight jet, flashover, wide angle spray).

This family of nozzles comes with three possibilities of tips: Turbo (with spinning teeth), Debi (teeth cut in aluminium alloy) and Magi (molded rubber teeth).

These nozzles are used by a large number of firefighters across the globe.

Maximum working pressure: 230 PSI

Shutoff: ball valve

Opening: by operating handle

Flush position: YES

Material: aluminium alloy

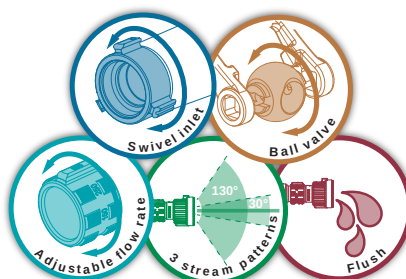
Surface treatment: hard anodisation

Body type: cut into bars

Pistol grip: one

Options: low expansion foam attachment, medium expansion foam attachment.

Bumper guard colors:



Conform to norm EN 15182-2



Russian Certificate



Polish Certificate

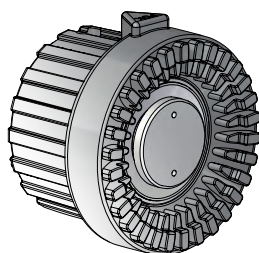


Czech Republic Certificate



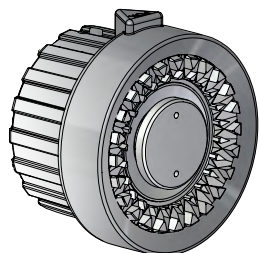
Chinese Certificate

Magikador 125



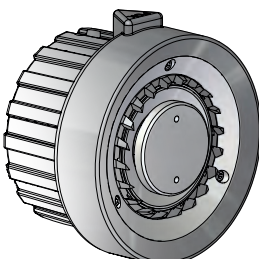
Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	30-60-95 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	18458
1.5" NST-NH female	30-60-95-125 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	18459
1.5" NST-NH female	40-60-95-125 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	18486
1.5" NST-NH female	60-95-125 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	18487

Debikador 125



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	30-60-95 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	13720
1.5" NST-NH female	60-95-125 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	13721
1.5" NST-NH female	30-60-95-125 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	13722
1.5" NST-NH female	40-60-95-125 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	18485

Turbokador 125



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	40-60-95-125 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	08349
1.5" NST-NH female	30-60-95-125 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	08370
1.5" NST-NH female	30-60-95 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	09891
1.5" NST-NH female	60-95-125 GPM	100 PSI	11.42 x 10.47 x 4.96	5.38	09892



The selectable flow rate nozzles of 200 GPM represent the ideal compromise between the 125 and 350 GPM range of nozzles. They offer power, lightness and manoeuvrability.

The nozzles are available in two versions: "ECO" and "Premium".

The calibrated flow rates are easily selectable through an indexed ring. The maximum flow rate is indicated by a raised lug. The stream patterns are changed by rotating the head ring with tactile markings (straight jet, flashover, wide angle spray).

This family of nozzles comes with two possibilities of tips:

Debi (teeth cut in aluminium alloy) and Magi (molded rubber teeth).

Maximum working pressure: 230 PSI

Shutoff: ball valve

Opening: by operating handle

Flush position: YES

Material: aluminium alloy

Surface treatment: hard anodisation

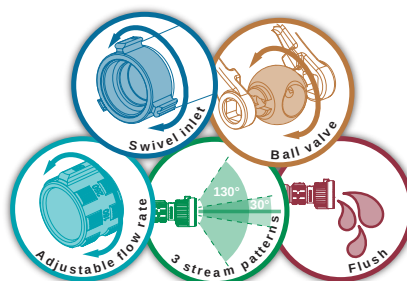
Body type: molded

Pistol grip: one

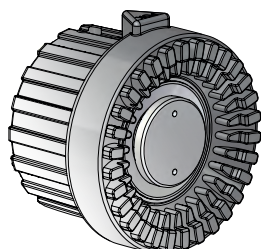
Options: low expansion foam attachment, medium expansion foam attachment.

Bumper guard colors:

Conform to norm EN 15182-2

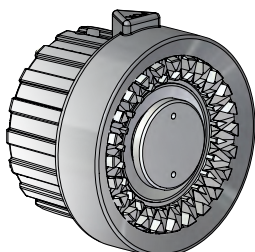


Magikador 200 - ECO



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
2.5" NST-NH female	125-180 GPM	100 PSI	17.48 x 10.24 x 4.96	9.70	28668
2.5" NST-NH female	95-125-150-200 GPM	100 PSI	17.48 x 10.24 x 4.96	9.70	28672

Debikador 200 - ECO



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
2.5" NST-NH female	125-180 GPM	100 PSI	17.48 x 10.24 x 4.96	9.70	28670
2.5" NST-NH female	95-125-150-200 GPM	100 PSI	17.48 x 10.24 x 4.96	9.70	28673



Hand nozzles - Selectable flow rate



The selectable flow rate nozzles of 200 GPM represent the ideal compromise between the 125 GPM and 350 GPM range of nozzles. They offer power, lightness and manoeuvrability. The nozzles are available in two versions: "ECO" and "Premium".

The calibrated flow rates are easily selectable through an indexed ring. The maximum flow rate is indicated by a raised lug. The stream patterns are changed by rotating the head ring with tactile markings (straight jet, flashover, wide angle spray).

This family of nozzles comes with three possibilities of tips: Debi (teeth cut in aluminium alloy), Magi (rubber molded teeth) and Turbo (spinning teeth).

Maximum working pressure: 230 PSI

Shutoff: ball valve

Opening: by operating handle

Flush position: YES

Material: aluminium alloy

Surface treatment: hard anodisation

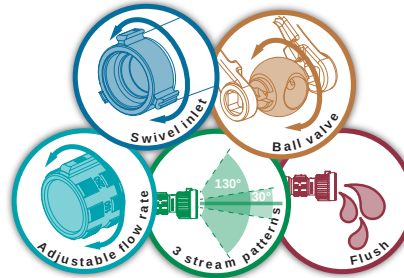
Body type: cut into bars

Pistol grip: one

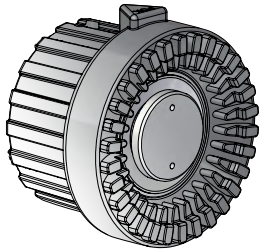
Options: low expansion foam attachment, medium expansion foam attachment.

Bumper guard colors:

Conform to norm EN 15182-2

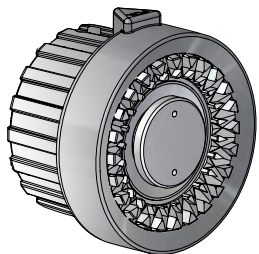


Magikador 200



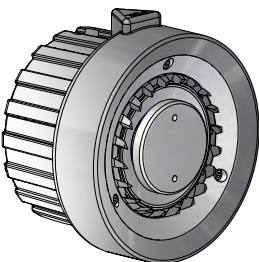
Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	60-125-200 GPM	100 PSI	17.4 x 10.71 x 4.96	9.88	28671
2.5" NST-NH female	125-180 GPM	100 PSI	17.4 x 10.71 x 4.96	9.88	28667

Debikador 200



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	95-125-150-200 GPM	100 PSI	17.4 x 10.71 x 4.96	9.88	18494
2.5" NST-NH female	95-125-150-200 GPM	100 PSI	17.4 x 10.71 x 4.96	9.88	18494. FF2.5NST
2.5" NST-NH female	125-180 GPM	100 PSI	17.4 x 10.71 x 4.96	9.88	28669

Turbokador 200



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	95-125-150-200 GPM	100 PSI	17.4 x 10.71 x 4.96	9.88	10648
2.5" NST-NH female	95-125-150-200 GPM	100 PSI	17.4 x 10.71 x 4.96	9.88	10648. FF2.5NST



The selectable flow rate nozzles of 350 GPM offer the best flow rate, precision and robustness that has been proven throughout the world.

The nozzles are available in two versions: "ECO" and "Premium".

The calibrated flow rates are easily selectable through an indexed ring. The maximum flow rate is indicated by a raised lug. The stream patterns are changed by rotating the head ring with tactile markings (straight jet, flashover, wide angle spray).

This family of nozzles comes with two possibilities of tips:

Debi (teeth cut in aluminium alloy) and Magi (molded rubber teeth).

Maximum working pressure: 230 PSI

Shutoff: ball valve

Opening: by operating handle

Flush position: YES

Material: aluminium alloy

Surface treatment: hard anodisation

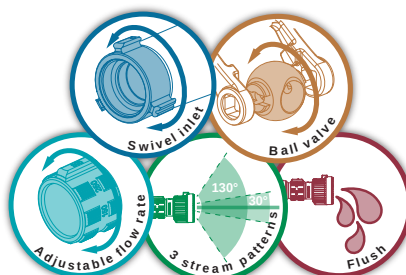
Body type: molded

Pistol grip: one

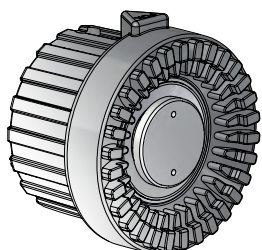
Options: low expansion foam attachment, medium expansion foam attachment.

Bumper guard colors: 

Conform to norm EN 15182-2

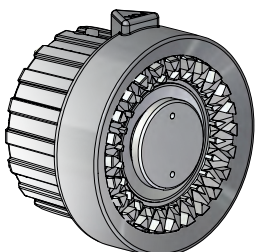


Magikador 350 - ECO



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
2.5" NST-NH female	95-125-150-250 GPM	100 PSI	17.72 x 10.24 x 4.96	10.47	28680
2.5" NST-NH female	100-150-200-250 GPM	100 PSI	17.72 x 10.24 x 4.96	10.47	28682
2.5" NST-NH female	125-150-200-250 GPM	100 PSI	17.72 x 10.24 x 4.96	10.47	28684
2.5" NST-NH female	200-250-300-350 GPM	100 PSI	17.72 x 10.24 x 4.96	10.47	28686

Debikador 350 - ECO



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
2.5" NST-NH female	95-125-150-250 GPM	100 PSI	17.72 x 10.24 x 4.96	10.47	28681
2.5" NST-NH female	100-150-200-250 GPM	100 PSI	17.72 x 10.24 x 4.96	10.47	28683
2.5" NST-NH female	125-150-200-250 GPM	100 PSI	17.72 x 10.24 x 4.96	10.47	28685
2.5" NST-NH female	200-250-300-350 GPM	100 PSI	17.72 x 10.24 x 4.96	10.47	28687



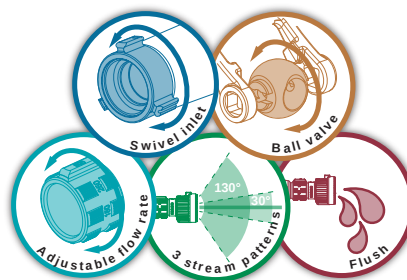
Hand nozzles - Selectable flow rate



New design
LIGHTER
more **EFFICIENT**

Our selectable gallonage nozzle 350 GPM is the most powerful flow rate hand nozzle. This new generation is lighter, shorter and reaches longer throw distances. Two versions are available: with one or with two pistol grips. The different flow rates and flush position are operated from the ring.

The bumper with tactile marks enables to select the different stream patterns (straight jet, flashover, wide angle spray). This range of nozzles is available with three different tips : Magi (with molded rubber teeth), Debi (cut teeth in aluminium alloy) and Turbo (with spinning teeth).



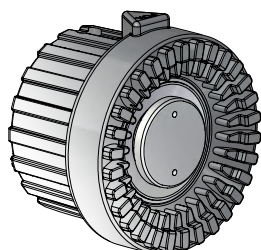
Maximum working pressure: 230 PSI
Shutoff: ball valve
Opening: by operating handle
Flush position: YES
Material: aluminium alloy
Surface treatment: hard anodisation
Body type: cut into bars
Pistol grip: one

Options: low expansion foam attachment, medium expansion foam attachment.

Bumper guard colors: black, red, green, blue, yellow, orange

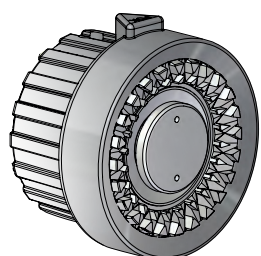
Conform to norm EN 15182-2

Magikador 350 - 1 pistol grip



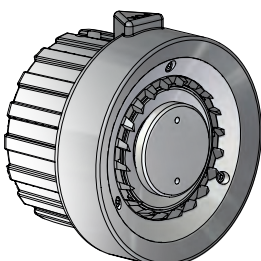
Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
2.5" NST-NH female	200-250-300-350 GPM	100 PSI			35591.NST

Debikador 350 - 1 pistol grip



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
2.5" NST-NH female	200-250-300-350 GPM	100 PSI			35594.NST

Turbokador 350 - 1 pistol grip



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
2.5" NST-NH female	200-250-300-350 GPM	100 PSI			35597.NST



The selectable flow rate nozzles of 350 GPM offer the best flow rate, precision and robustness acknowledged across the world. The nozzles are available in two versions: "ECO" and "Premium".

The calibrated flow rates are easily selectable through an indexed ring. The maximum flow rate is indicated by a raised lug. The stream patterns are changed by rotating the head ring with tactile markings (straight jet, flashover, wide angle spray).

This family of nozzles comes with three possibilities of tips: Debi (teeth cut in aluminium alloy), Magi (rubber molded teeth) and Turbo (spinning teeth).

Maximum working pressure: 230 PSI

Shutoff: ball valve

Opening: by operating handle

Flush position: YES

Material: aluminium alloy

Surface treatment: hard anodisation

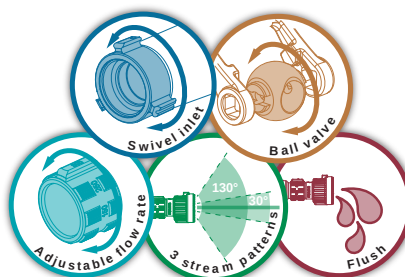
Body type: cut into bars

Pistol grip: double

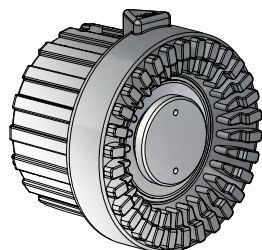
Options: low expansion foam attachment, medium expansion foam attachment.

Bumper guard colors:

Conform to norm EN 15182-2

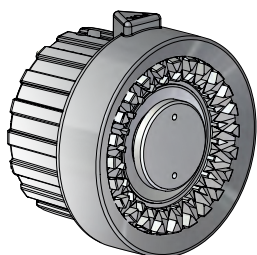


Magikador 350 - 2 pistol grips



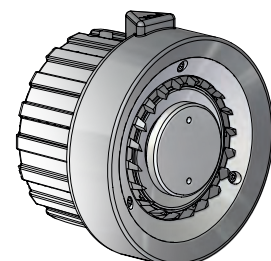
Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
2.5" NST-NH female	95-125-150-250 GPM	100 PSI	18.35 x 6.54 x 13.31	11.51	28674
2.5" NST-NH female	100-150-200-250 GPM	100 PSI	18.35 x 6.54 x 13.31	11.51	28675
2.5" NST-NH female	125-150-200-250 GPM	100 PSI	18.35 x 6.54 x 13.31	11.51	28676
2.5" NST-NH female	200-250-300-350 GPM	100 PSI	18.35 x 6.54 x 13.31	11.51	28677

Debikador 350 - 2 pistol grips



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
2.5" NST-NH female	95-125-150-250 GPM	100 PSI	18.35 x 6.54 x 13.31	11.51	09708
2.5" NST-NH female	200-250-300-350 GPM	100 PSI	18.35 x 6.54 x 13.31	11.51	13723
2.5" NST-NH female	100-150-200-250 GPM	100 PSI	18.35 x 6.54 x 13.31	11.51	18568
2.5" NST-NH female	125-150-200-250 GPM	100 PSI	18.35 x 6.54 x 13.31	11.51	18569

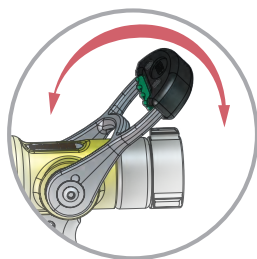
Turbokador 350 - 2 pistol grips



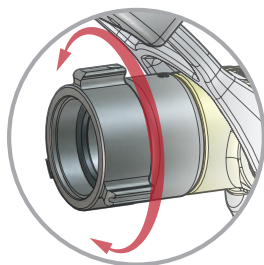
Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
2.5" NST-NH female	95-125-150-250 GPM	100 PSI	18.35 x 6.54 x 13.31	11.51	18567
2.5" NST-NH female	100-150-200-250 GPM	100 PSI	22.28 x 6.54 x 13.31	11.51	09724
2.5" NST-NH female	125-150-200-250 GPM	100 PSI	18.35 x 6.54 x 13.31	11.51	08347
2.5" NST-NH female	200-250-300-250 GPM	100 PSI	18.35 x 6.54 x 13.31	11.51	09996



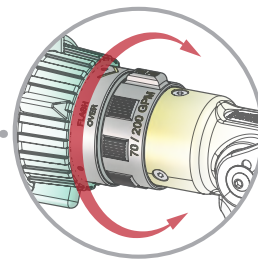
Shutoff handle with polyurethane protection. Shutoff with slide valve, with indexing of the positions at 20%, 40%, 60%, 80% and 100 % of the flow rate when pushed fully to the stop position.



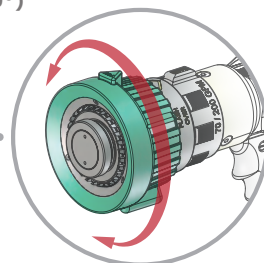
Swivel inlet coupling conform to international norms



Selection ring (on the 150 and 300 GPM type) to go from the normal mode to a "FLUSH" position ("PURGE") at the operating pressure of 100 PSI.



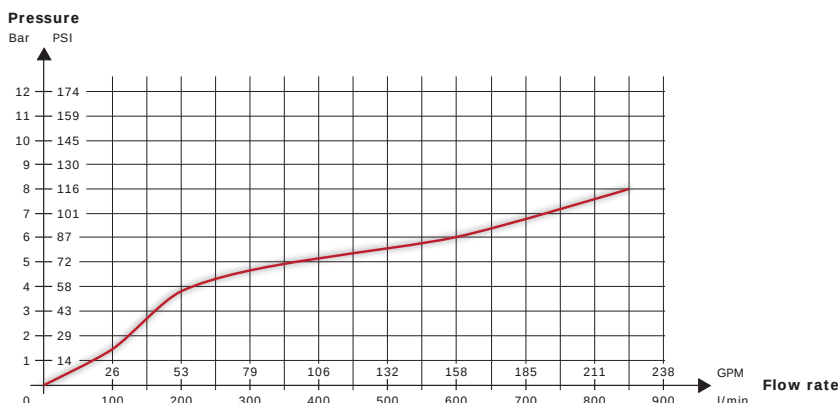
Bumper guard with tactile markings indicating the shape of the stream pattern. 3 stream patterns positions: straight jet, flashover (30°), wide angle spray (130°)



TECHNICAL CHARACTERISTICS

- The **flow rate is adjusted** by operating the shutoff handle from the closed to the fully open position, passing through four intermediate steps corresponding to 20% of the maximum flow rate for the first setting, 40% of the maximum flow rate for the second, 60% of the maximum flow rate for the third and 80% of maximum flow rate for the fourth.
- A **selection ring** (available only on models 150 and 300) allows the user to pass from the **100 PSI** position (normal operation) to the position marked **PURGE or FLUSH** for the removal of particles which may hamper the proper hydraulic characteristics of the nozzle.
- **Selectable stream pattern:** A continuous rotation of the head ring allows the user to progress from a **straight stream** to a **narrow spray** called "Flashover", to a full fog **diffusion cone** (wide angle) of 130° forming a wall of water (followed by a flush position only on the 125 model). **Tactile and visual indicators** permit the user to know the type of stream even in total darkness and while wearing firefighting gloves as **conform to EN 659**.
- **Swivel inlet connection.**
- Functions under **230 PSI** nominal pressure.
- **Adjustable flow rate shutoff** handle ruggedly constructed with stainless steel piston, pins and screws.

CURVES FLOW RATE/PRESSURE - For the 150 GPM version



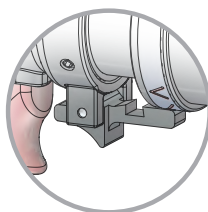
CONSTRUCTION

- **Aluminium alloy** construction, AGS T5, new titrated alloy, extremely light.
- Resistant to mechanical shock and chemical attack with **50µ hard anodisation**.
- The head is protected with a **polyurethane bumper guard**. This elastomer does not melt under heat, is an excellent insulator which allows the user to work under high heat conditions without burning and does not stick to the fingers in low temperatures.
- Ergonomic, anti-slip polyurethane pistol grip.
- Pins and screws in stainless steel.

Hand nozzles - Autoregulated with slide valve



Legende 100 for electric fires



Trigger lock for the straight jet and FLUSH positions.

Maximum working pressure: 230 PSI
Shutoff: with slide valve
Opening: by operating handle
Flush position: YES
Straight jet locking: YES
Material: aluminium alloy
Surface treatment: polyester coating
Body type: molded
Head: cut teeth
Pistol grip: one

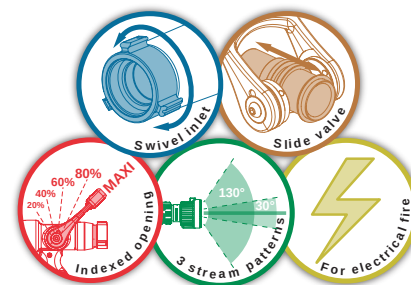
Options: low expansion foam attachment.

Bumper guard colors:

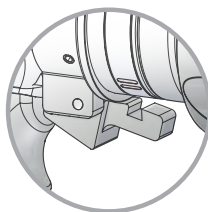
The range of "Legende DHT" nozzles with automatically regulated pressure is used for the extinction of electric fires.

The head ring with tactile markings allows to select different stream patterns (straight jet, flash over and wide angle spray). The shutoff handle enables to change to different flow rates. A locking device helps to prevent going to straight jet accidentally allowing a safe use on electric fires.

Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	100 GPM	100 PSI			32701.NST



Legende 100 for electric fires



Trigger lock for the straight jet and FLUSH positions.

Maximum working pressure: 230 PSI
Shutoff: with slide valve
Opening: by operating handle
Flush position: YES
Straight jet locking: YES
Material: aluminium alloy
Surface treatment: hard anodisation
Body type: cut into bars
Head: molded teeth
Pistol grip: one

Options: low expansion foam attachment.

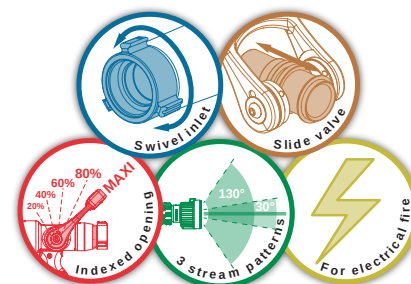
Bumper guard colors:

The range of "Legende DHT" nozzles with automatically regulated pressure is used for the extinction of electric fires.

The head ring with tactile markings allows to select different stream patterns (straight jet, flash over and wide angle spray). The shutoff handle enables to change to different flow rates. A locking device helps to prevent going to straight jet accidentally allowing a safe use on electric fires.

Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	100 GPM	100 PSI	11.89 x 8.98 x 3.82	4.63	25581.NST

Equips the Spanish Navy



Legende 125

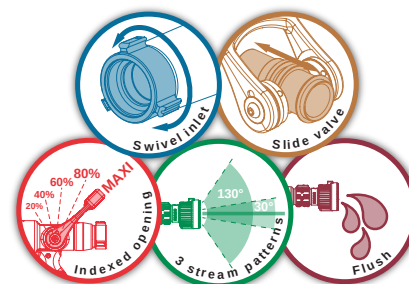


Maximum working pressure: 230 PSI
Shutoff: with slide valve
Opening: by operating handle
Flush position: YES
Material: aluminium alloy
Surface treatment: hard anodisation
Body type: cut into bars
Head: molded teeth
Pistol grip: one

Options: low expansion foam attachment.

Bumper guard colors:

Equips the Swiss army



The entire range of "Legende" nozzles have an ultra compact system for pressure regulation that offers a selectable flow rate from the shutoff handle with different positions. The head ring with tactile markings enables to select the different stream patterns: straight jet, flashover and wide angle spray.

Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	125 GPM	100 PSI			09521.NST

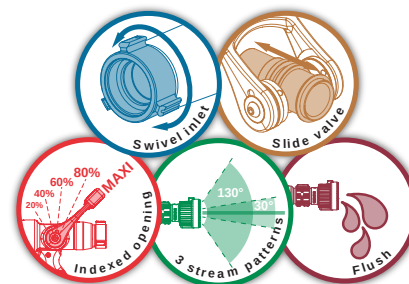
Legende 130



Maximum working pressure: 230 PSI
Shutoff: with slide valve
Opening: by operating handle
Flush position: YES
Material: aluminium alloy
Surface treatment: polyester coating
Body type: molded
Head: cut teeth
Pistol grip: one

Options: low expansion foam attachment.

Bumper guard colors:



The entire range of "Legende" nozzles have an ultra compact system for pressure regulation that offers a selectable flow rate from the shutoff handle with different positions. The head ring with tactile markings enables to select the different stream patterns: straight jet, flashover and wide angle spray.

Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	130 GPM	100 PSI			32542.NST



Hand nozzles - Autoregulated with slide valve



Legende 125 with combined stream patterns



The "Legende" range of nozzles with automatically regulated pressure and combined stream patterns helps to obtain simultaneously a straight jet and a wide angle spray to protect the fireman. The shutoff handle allows to select different flow rates.

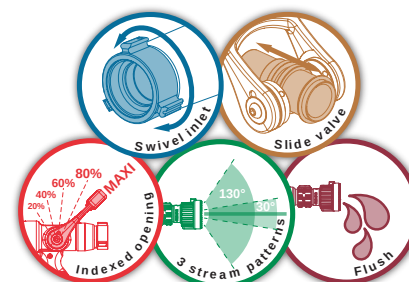
Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	125 GPM	100 PSI			19368.NST

Maximum working pressure: 230 PSI
Shutoff: with slide valve
Opening: by operating handle
Flush position: YES
Material: aluminium alloy
Surface treatment: hard anodisation
Body type: cut into bars
Head: molded teeth
Pistol grip: one

Options: low expansion foam attachment.

Bumper guard colors:   

Equips the Italian Navy



Legende 200 with combined stream patterns



The "Legende" range of nozzles with automatically regulated pressure and combined stream patterns helps to obtain simultaneously a straight jet and a wide angle spray to protect the fireman. The shutoff handle allows to select different flow rates.

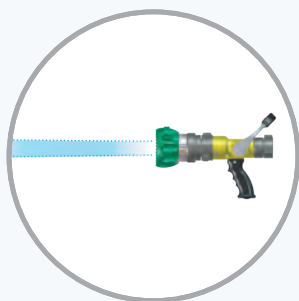
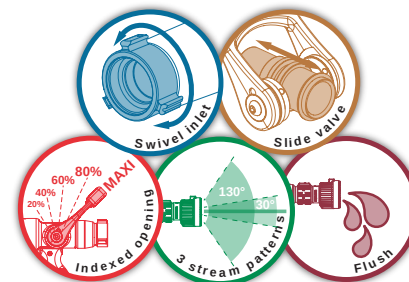
The ring with tactile markings enables to select from different stream patterns (straight jet, flashover, wide angle spray).

Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
2.5" NST-NH female	200 GPM	100 PSI			28884.NST

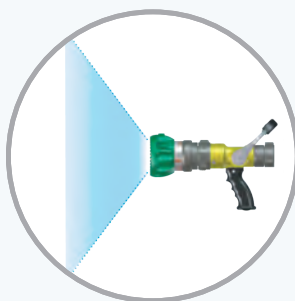
Maximum working pressure: 230 PSI
Shutoff: with slide valve
Opening: by operating handle
Flush position: YES
Material: aluminium alloy
Surface treatment: polyester coating
Body type: molded
Head: molded teeth
Pistol grip: one

Options: low expansion foam attachment, medium expansion foam attachment.

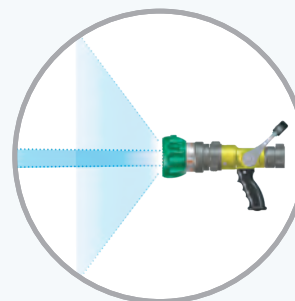
Bumper guard colors:   



Straight jet position



Flashover position

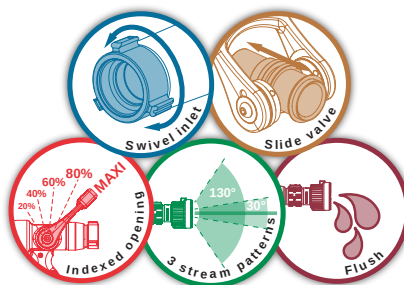


Combined stream pattern position



The entire range of "Legende" hand nozzles have an ultra compact system for pressure regulation that provides a flow rate selectable from the shutoff handle.

The head allows to select from three types of stream patterns: straight jet, flashover, wide angle spray. There are three possibilities of tips to choose from: molded rubber teeth, teeth cut in aluminium alloy and spinning teeth.

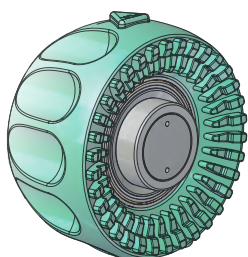


Maximum working pressure: 230 PSI
Shutoff: with slide valve
Opening: by operating handle
Flush position: YES
Pressure regulation: from 30 to 150 GPM
Material: aluminium alloy
Surface treatment: polyester coating
Body type: molded
Pistol grip: one

Options: low expansion foam attachment.

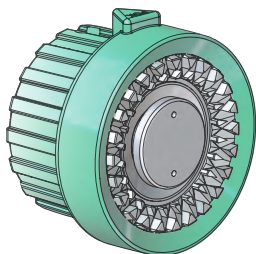
Bumper guard colors:

Legende 150 - Molded rubber teeth



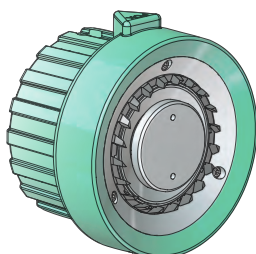
Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	150 GPM	100 PSI			28062.NST

Legende 150 - Teeth cut in aluminium alloy



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	150 GPM	100 PSI			29289.NST

Legende 150 - Spinning teeth



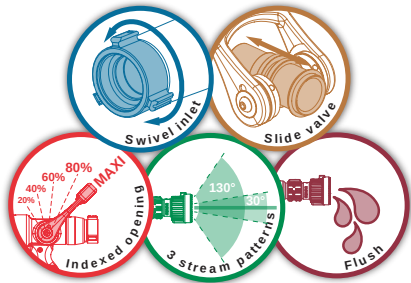
Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	150 GPM	100 PSI			29290.NST

Hand nozzles - Autoregulated with slide valve



The entire range of "Legende" hand nozzles have an ultra compact system for pressure regulation that provides a flow rate selectable from the shutoff handle.

The selection of the stream patterns are obtained by turning the head: from straight jet, flashover to wide angle spray.

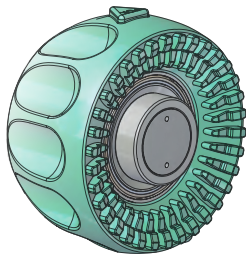


Maximum working pressure: 230 PSI
Shutoff: with slide valve
Opening: by operating handle
Flush position: YES
Pressure regulation: from 100 to 250 GPM
Material: aluminium alloy
Surface treatment: polyester coating
Body type: molded
Head: molded teeth
Pistol grip: double

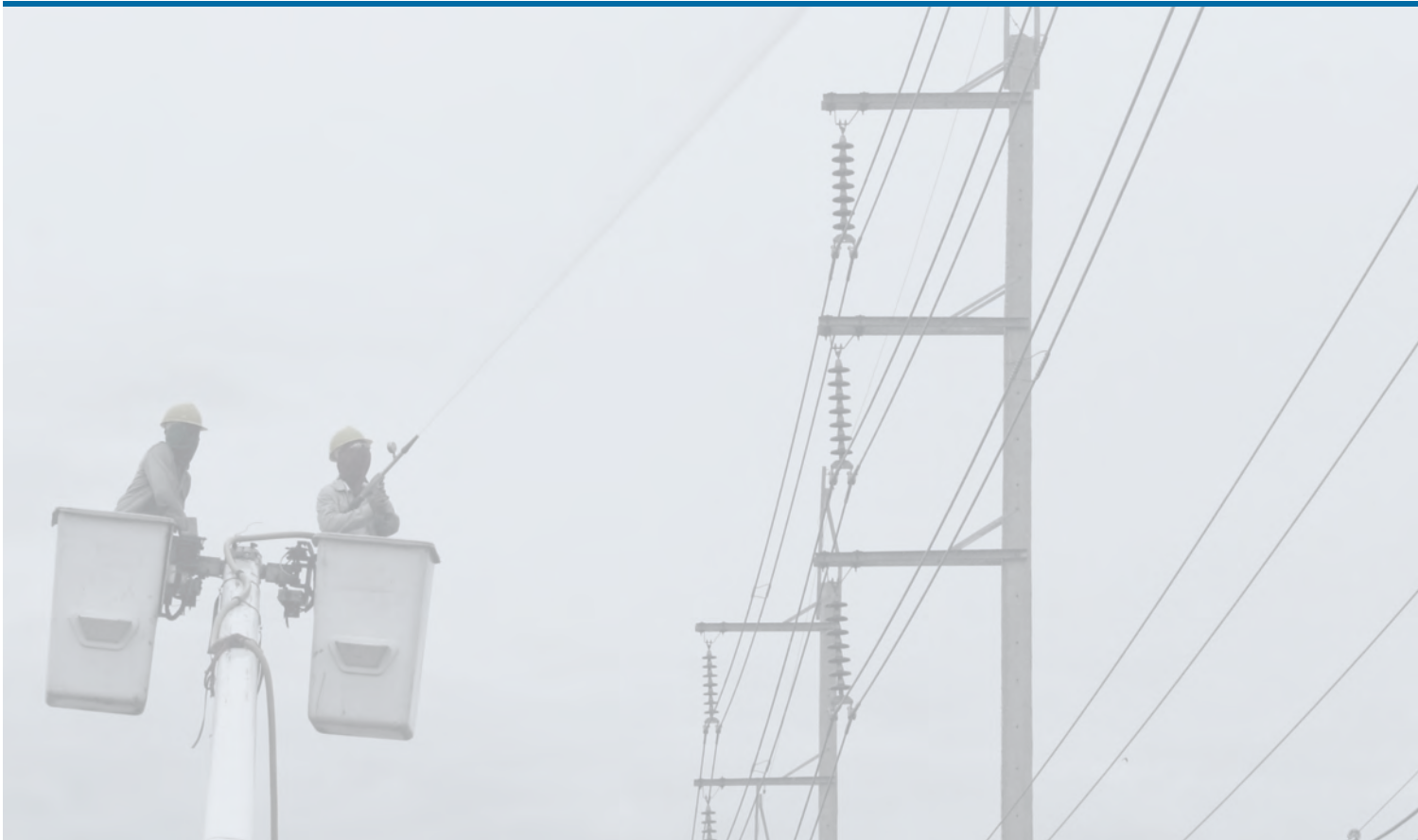
Options: low expansion foam attachment.

Bumper guard colors:

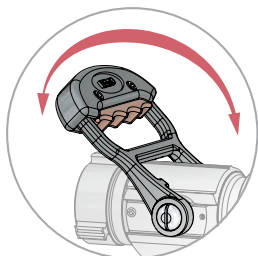
Legende 250



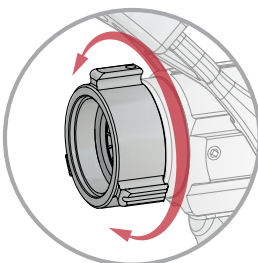
Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
2.5" NST-NH female	250 GPM	100 PSI			28434.NST



Shutoff handle with polyurethane bumper.



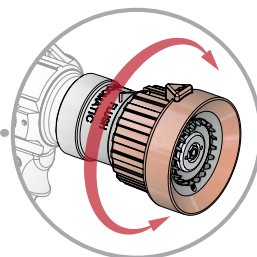
Swivel inlet coupling conform to international norms



Bumper guard with tactile markings indicating the shape of the stream pattern.

3 stream pattern positions: straight jet, flashover (30°), wide angle spray (110°)

The FLUSH position is obtained on full stop limit of the selection ring.



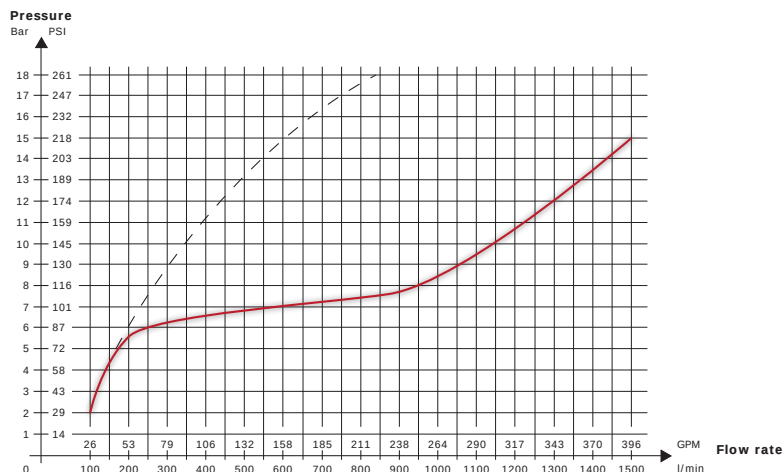
TECHNICAL CHARACTERISTICS

- **Selectable stream pattern:** a continuous rotation of the head ring allows the user to progress from a **straight stream** to **narrow spray** or "Flashover", to a full fog **diffusion cone of 110°** forming a wall of water, followed by a flush position to remove any particles.
- **Swivel inlet connection.**
- **Protection filter** protects against pebbles at the inlet connection.
- Functions under **230 PSI** nominal pressure.
- Quick On/Off shutoff valve.

CURVES FLOW RATE/PRESSURE - For the 200 and 250 GPM versions

This curve represents the pressure variation as a function of the flow rate, inside the "TORNADOMATIC 200" and "TORNADOMATIC 250". Note that the internal regulation device comes into action when the flow rate reaches a value of 80 GPM. After this point, the flow rate increases and is carried out under an approximate constant pressure, from 100 to 116 PSI, up to a value of 250 GPM.

Note: The dotted line shows what should be the pressure to get the same flow rate in the absence of a controlled device.



CONSTRUCTION

- **Aluminium alloy** construction, AGS T5, new titrated alloy, extremely light.
- Resistant to mechanical shock and chemical attack with **50µm hard anodisation**.
 - The head is protected with a **polyurethane bumper guard**. This elastomer does not melt under heat, is an excellent insulator which allows the user to work under high heat conditions without burning and does not stick to the fingers in low temperatures.
- Ergonomic, anti-slip polyurethane pistol grip.
- Pins and screws in stainless steel.

Hand nozzles - Autoregulated with ball valve

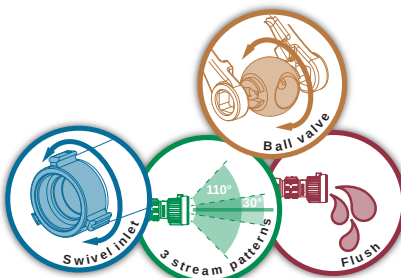


The family of automatically regulated pressure nozzles of 40 GPM offers a regulation range from 10 to 40 GPM and three possible tips to choose from:

Maximatic (molded rubber teeth), Autokador (teeth cut in aluminium alloy) and Tornadomatic (with spinning teeth).

The head ring allows to select different stream patterns (straight jet, flashover and wide angle spray).

The nozzles are available in different versions: "Lite" and "Premium".



Maximum working pressure: 230 PSI

Shutoff: with ball valve

Opening: by operating handle

Flush position: YES

Pressure regulation: from 10 to 40 GPM

Material: aluminium alloy

Surface treatment: hard anodisation

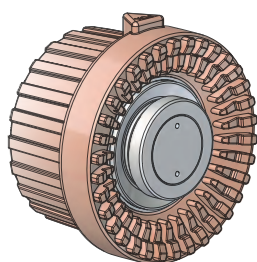
Body type: molded

Pistol grip: one

Options: low expansion foam attachment, medium expansion foam attachment.

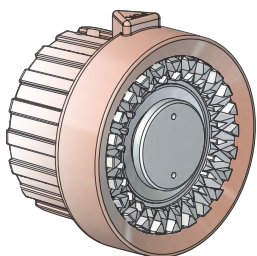
Bumper guard colors:

Maximatic 40 - Eco



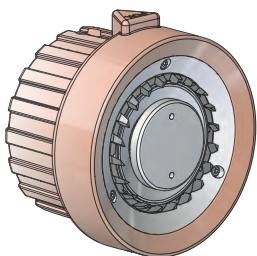
Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1" NST-NH female	40 GPM	100 PSI			28688.1NST
1.5" NST-NH female	40 GPM	100 PSI			28688.NST

Autokador 40 - Eco



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1" NST-NH female	40 GPM	100 PSI			28689.1NST
1.5" NST-NH female	40 GPM	100 PSI			28689.NST

Tornadomatic 40 - Eco



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1" NST-NH female	40 GPM	100 PSI			19647.1NST
1.5" NST-NH female	40 GPM	100 PSI			19647.NST



The family of automatically regulated pressure nozzles of 40 GPM offers a regulation range from 10 to 40 GPM and three possible tips to choose from:

Maximatic (molded rubber teeth), Autokador (teeth cut in aluminium alloy) and Tornadomatic (with spinning teeth).

The head ring allows to select different stream patterns (straight jet, flashover and wide angle spray).

The nozzles are available in different versions: "Lite" and "Premium".

Maximum working pressure: 230 PSI

Shutoff: with ball valve

Opening: by operating handle

Flush position: YES

Pressure regulation: from 10 to 40 GPM

Material: aluminium alloy

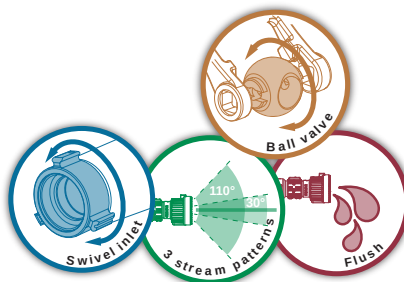
Surface treatment: hard anodisation

Body type: cut into bars

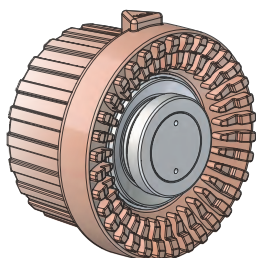
Pistol grip: one

Options: low expansion foam attachment, medium expansion foam attachment.

Bumper guard colors:

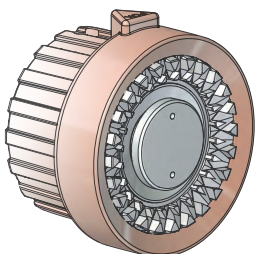


Maximatic 40



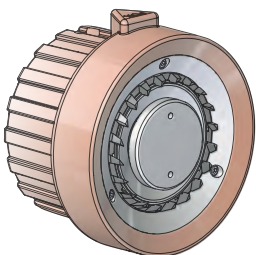
Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1" NST-NH female	40 GPM	100 PSI	9.17 x 10.47 x 4.96	4.19	18531
1.5" NST-NH female	40 GPM	100 PSI			18532

Autokador 40



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1" NST-NH female	40 GPM	100 PSI	9.17 x 10.47 x 4.96	4.19	18522
1.5" NST-NH female	40 GPM	100 PSI			18523

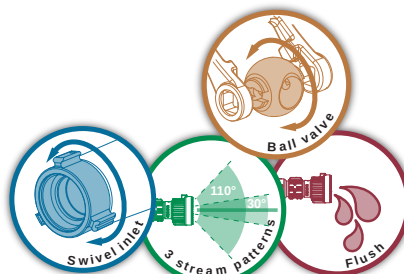
Tornadomatic 40



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1" NST-NH female	40 GPM	100 PSI	9.17 x 10.47 x 4.96	4.19	02317
1.5" NST-NH female	40 GPM	100 PSI			02316



The family of automatically regulated pressure nozzles of 125 GPM offers a regulation range from 40 to 125 GPM and three possible tips to choose from: Maximatic (rubber molded teeth), Autokador (teeth cut in aluminium alloy) and Tornadomatic (with spinning teeth). The head ring with tactile markings allows to select different stream patterns (straight jet, flashover and wide angle spray).

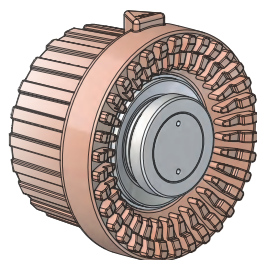


Maximum working pressure: 230 PSI
Shutoff: with ball valve
Opening: by operating handle
Flush position: YES
Pressure regulation: from 40 to 125 GPM
Material: aluminium alloy
Surface treatment: hard anodisation
Body type: cut into bars
Pistol grip: one

Options: low expansion foam attachment, medium expansion foam attachment.

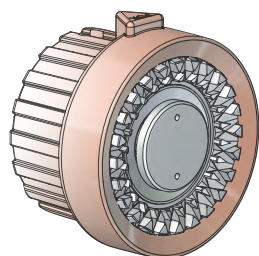
Bumper guard colors:

Maximatic 125



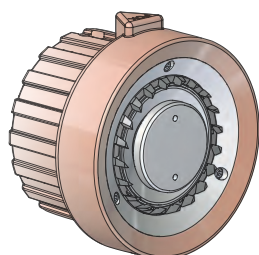
Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	125 GPM	100 PSI			18550

Autokador 125



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	125 GPM	100 PSI	10.51 x 10.47 x 4.96	5.18	18544

Tornadomatic 125



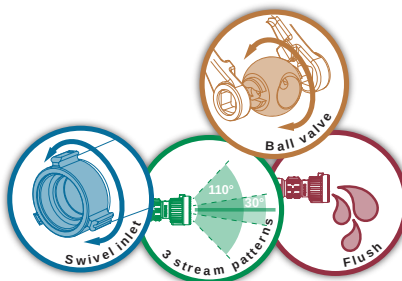
Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	125 GPM	100 PSI	10.51 x 10.47 x 4.96	5.18	07674



The family of automatically regulated pressure nozzles of 200 GPM offers a regulation range from 60 to 200 GPM and two possible tips to choose from:

Autokador (teeth cut in aluminium alloy) and Tornadomatic (with spinning teeth).

The head ring with tactile markings allows to select different stream patterns (straight jet, flashover and wide angle spray).



Maximum working pressure: 230 PSI

Shutoff: with ball valve

Opening: by operating handle

Flush position: YES

Pressure regulation: from 60 to 200 GPM

Material: aluminium alloy

Surface treatment: hard anodisation

Body type: cut into bars

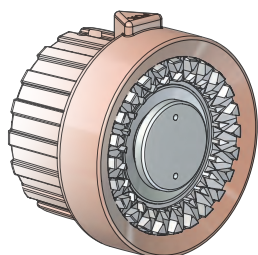
Pistol grip: one

Options: low expansion foam attachment, medium expansion foam attachment.

Bumper guard colors:

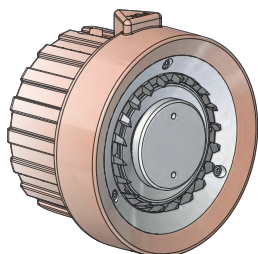


Autokador 200



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	200 GPM	100 PSI	9.76 x 10.71 x 4.96	6.61	18555
2.5" NST-NH female	200 GPM	100 PSI			18556

Tornadomatic 200



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	200 GPM	100 PSI	9.76 x 10.71 x 4.96	6.61	02375
2.5" NST-NH female	200 GPM	100 PSI			13131



Hand nozzles - Autoregulated with ball valve



The automatically pressure regulated 250 GPM nozzle offers maximum achievable power. The stream patterns are obtained by rotation of the head ring (straight jet, flashover, wide angle spray).

The nozzles are available with two tips: Autokador (teeth cut in aluminium alloy) and Tornadomatic (with spinning teeth).

It has two pistol grips for perfect command.

Maximum working pressure: 230 PSI

Shutoff: with ball valve

Opening: by operating handle

Flush position: YES

Pressure regulation: from 80 to 250 GPM

Material: aluminium alloy

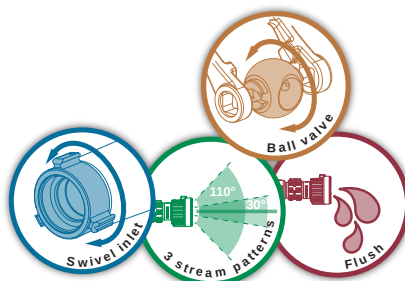
Surface treatment: hard anodisation

Body type: cut into bars

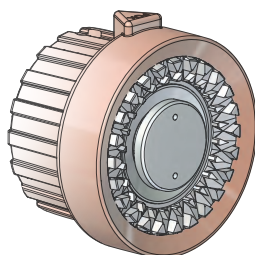
Pistol grip: double

Options: low expansion foam attachment, medium expansion foam attachment.

Bumper guard colors:

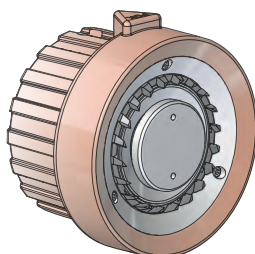


Autokador 250

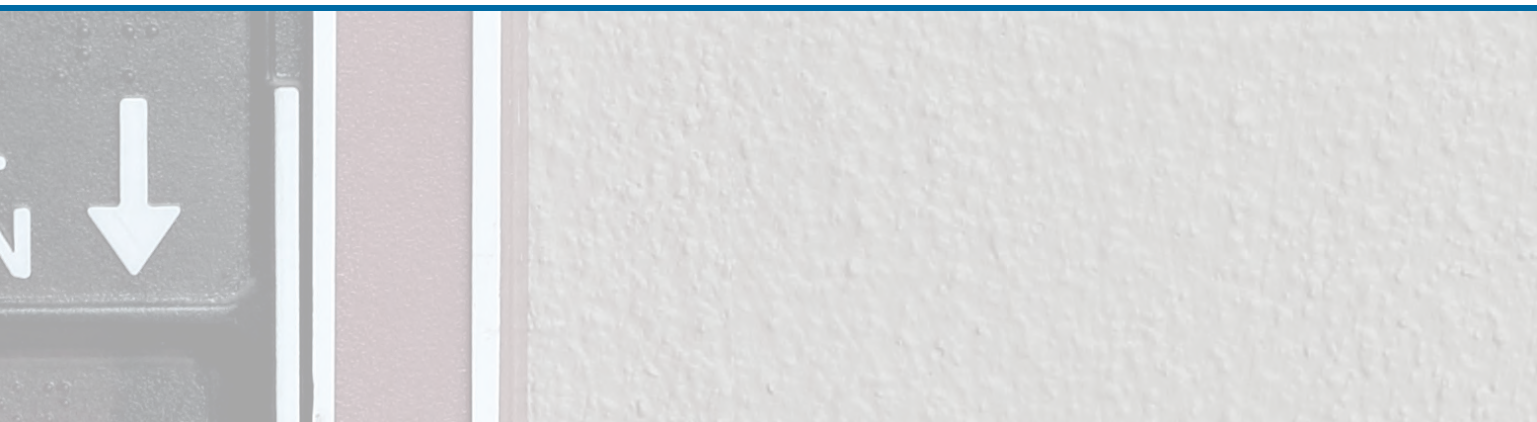


Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
2.5" NST-NH female	250 GPM	100 PSI	14.09 x 6.54 x 13.31	10.58	12543

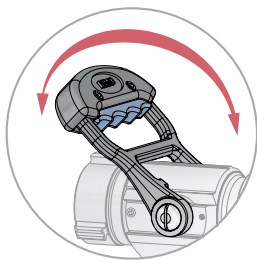
Tornadomatic 250



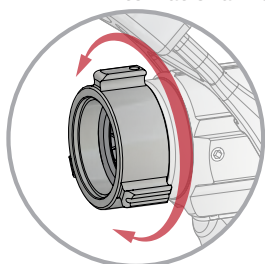
Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
2.5" NST-NH female	250 GPM	100 PSI	14.09 x 6.54 x 13.31	10.58	09736



Shutoff handle with polyurethane protection. Ball valve shutoff with quick and progressive opening and closure.



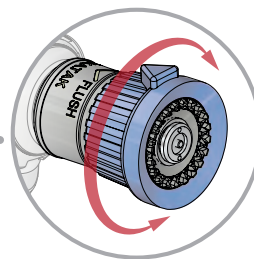
Swivel inlet coupling conform to international norms



Bumper guard with tactile markings indicating the different stream patterns.

3 stream pattern positions: straight jet, flashover (30°), wide angle spray (110°)

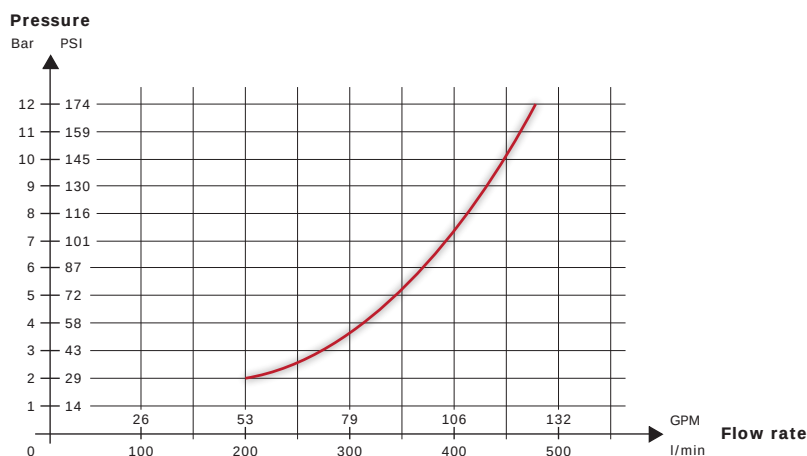
FLUSH position obtained on full stop limit of the selection ring.



TECHNICAL CHARACTERISTICS

- Constant gallonage nozzle
- **Selectable stream pattern:** a continuous rotation of the head ring allows the user to progress from a **straight stream**, to **narrow spray** or "Flashover", to a full spray **diffusion cone of 110°** forming a wall of water, followed by a flush position to remove any particles.
- **Swivel inlet connection.**
- **Protection filter** protects against pebbles at the inlet connection.
- Functions under **230 PSI** nominal pressure.
- Quick On/Off Shutoff valve.

CURVES FLOW RATE/PRESSURE - For the 95 GPM @ 100 PSI version



CONSTRUCTION

- **Aluminium alloy** construction, AGS T5, new titrated alloy, extremely light.
- Resistant to mechanical shock and chemical attack with **50µm hard anodisation**.
- The head is protected with a **polyurethane bumper guard**. This elastomer does not melt under heat, is an excellent insulator which allows the user to work under high heat conditions without burning and does not stick to the fingers in low temperatures.
- Ergonomic, anti-slip polyurethane pistol grip.
- Pins and screws in stainless steel.

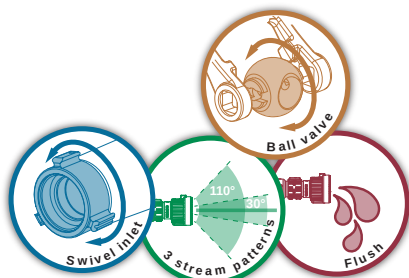
Hand nozzles - Fixed flow rate



The range of nozzles with fixed flow rate of 40 GPM offers a selection of three flow patterns by rotating the head ring (straight jet, flashover and wide angle spray).

The nozzles are available in the versions: "Lite" and "Premium".

There are three possible tips to choose from: Pokinor (molded rubber teeth), Pokatak (teeth cut in aluminium alloy) and Pokador (with spinning teeth).



Maximum working pressure: 230 PSI

Shutoff: with ball valve

Opening: by operating handle

Material: aluminium alloy

Surface treatment: hard anodisation

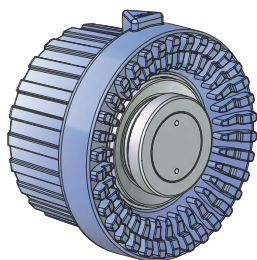
Body type: molded

Pistol grip: one

Options: low expansion foam attachment, medium expansion foam attachment.

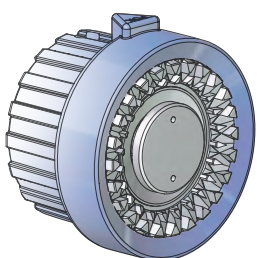
Bumper guard colors: black, red, green, blue, yellow, orange

Pokinor 40 - Eco



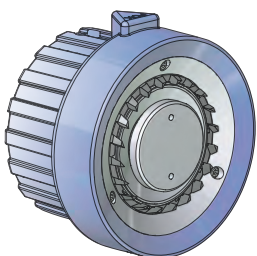
Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	40 GPM	100 PSI			28690.NST

Pokatak 40 - Eco



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	40 GPM	100 PSI			28691.NST

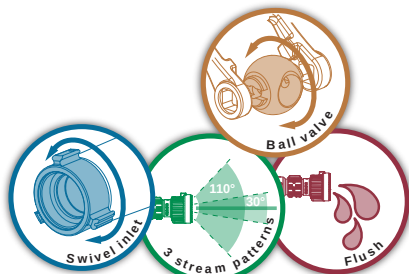
Pokador 40 - Eco



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	40 GPM	100 PSI			19652.NST



The range of nozzles with fixed flow rate of 40 GPM offers a selection of three flow patterns by rotating the head ring (straight jet, flashover and wide angle spray). The nozzles are available in the versions: "Lite" and "Premium". There are three possible tips to choose from: Pokinor (molded rubber teeth), Pokatak (teeth cut in aluminium alloy) and Pokador (with spinning teeth).

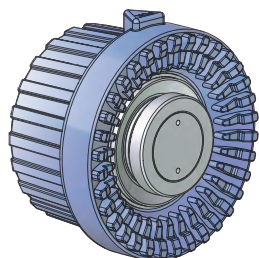


Maximum working pressure: 230 PSI
Shutoff: with ball valve
Opening: by operating handle
Flush position: YES
Material: aluminium alloy
Surface treatment: hard anodisation
Body type: cut into bars
Pistol grip: one

Options: low expansion foam attachment, medium expansion foam attachment.

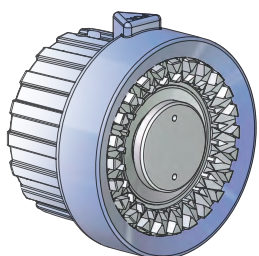
Bumper guard colors:

Pokinor 40



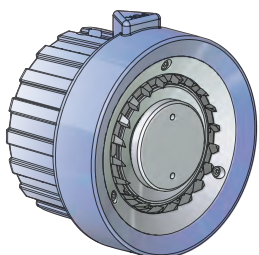
Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1" NST-NH female	40 GPM	100 PSI	9.17 x 10.47 x 4.96	4.19	18502

Pokatak 40



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1" NST-NH female	40 GPM	100 PSI	9.17 x 10.47 x 4.96	4.19	18497

Pokador 40

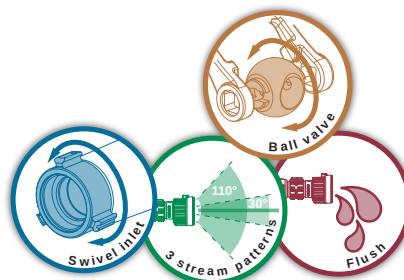


Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1" NST-NH female	40 GPM	100 PSI	9.17 x 10.47 x 4.96	4.19	03570

Hand nozzles - Fixed flow rate



The range of nozzles with fixed flow rate of 150 GPM offers a selection of three flow patterns by rotating the head ring (straight jet, flashover and wide angle spray).
The open/close shutoff is easy to operate.
The nozzles are offered with three possible tips to choose from: Pokinor (rubber molded teeth), Pokatak (teeth cut in aluminium alloy) and Pokador (with spinning teeth).

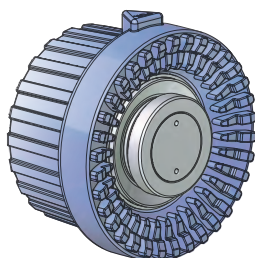


Maximum working pressure: 230 PSI
Shutoff: with ball valve
Opening: by operating handle
Flush position: YES
Material: aluminium alloy
Surface treatment: hard anodisation
Body type: cut into bars
Pistol grip: one

Options: low expansion foam attachment, medium expansion foam attachment.

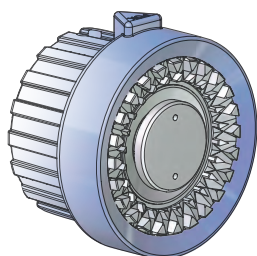
Bumper guard colors:

Pokinor 150 GPM



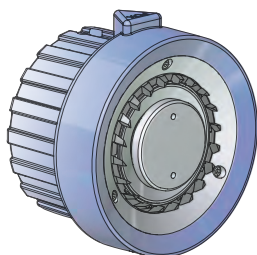
Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	125 GPM	100 PSI			18505
1.5" NST-NH female	150 GPM	100 PSI			18506

Pokatak 150 GPM



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	125 GPM	100 PSI	10.51 x 10.47 x 4.96	5.18	18500
1.5" NST-NH female	150 GPM	100 PSI	10.51 x 10.47 x 4.96	5.18	18501

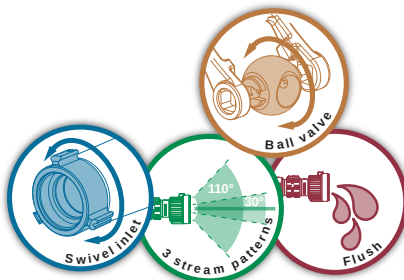
Pokador 150 GPM



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	125 GPM	100 PSI	10.51 x 10.47 x 4.96	5.18	03567
1.5" NST-NH female	150 GPM	100 PSI	10.51 x 10.47 x 4.96	5.18	03566



The range of nozzles with fixed flow rate of 200 GPM offers a selection of three flow patterns by rotating the head ring (straight jet, flashover and wide angle spray). The open/close shutoff is easy to operate. The nozzles are offered with two possible tips to choose from: Pokatak (teeth cut in aluminium alloy) and Pokador (with spinning teeth).

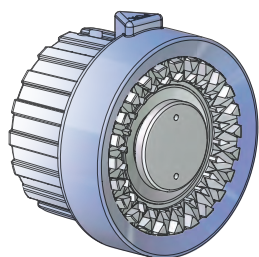


Maximum working pressure: 230 PSI
Shutoff: with ball valve
Opening: by operating handle
Flush position: YES
Material: aluminium alloy
Surface treatment: hard anodisation
Body type: cut into bars
Pistol grip: one

Options: low expansion foam attachment, medium expansion foam attachment.

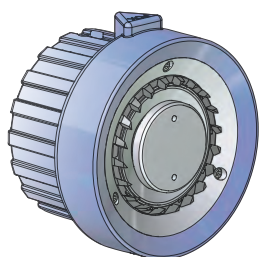
Bumper guard colors:

Pokatak 200



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	200 GPM	100 PSI	9.76 x 10.71 x 4.96	6.61	18536

Pokador 200



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	200 GPM	100 PSI	9.76 x 10.71 x 4.96	6.61	08932



Hand nozzles - Fixed flow rate

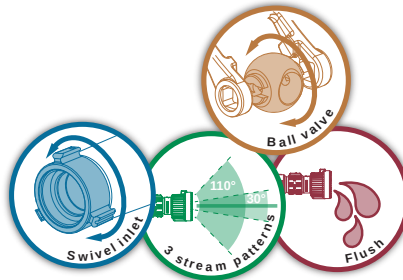


The range of nozzles with fixed flow rate of 300 GPM provides the best possible power and manoeuvrability. They come with two pistol grips. The head ring with tactile markings allows different flow patterns selection (straight jet, flashover and wide angle spray). The 300 GPM nozzles are offered with two possible tips to choose from: Pokatak (teeth cut in aluminium alloy) and Pokador (with spinning teeth).

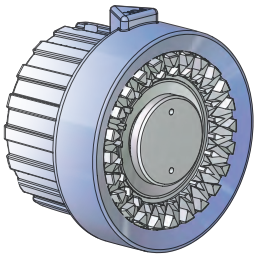
Maximum working pressure: 230 PSI
Shutoff: with ball valve
Opening: by operating handle
Flush position: YES
Material: aluminium alloy
Surface treatment: hard anodisation
Body type: cut into bars
Pistol grip: one

Options: low expansion foam attachment, medium expansion foam attachment.

Bumper guard colors:

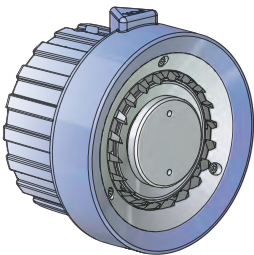


Pokatak 300

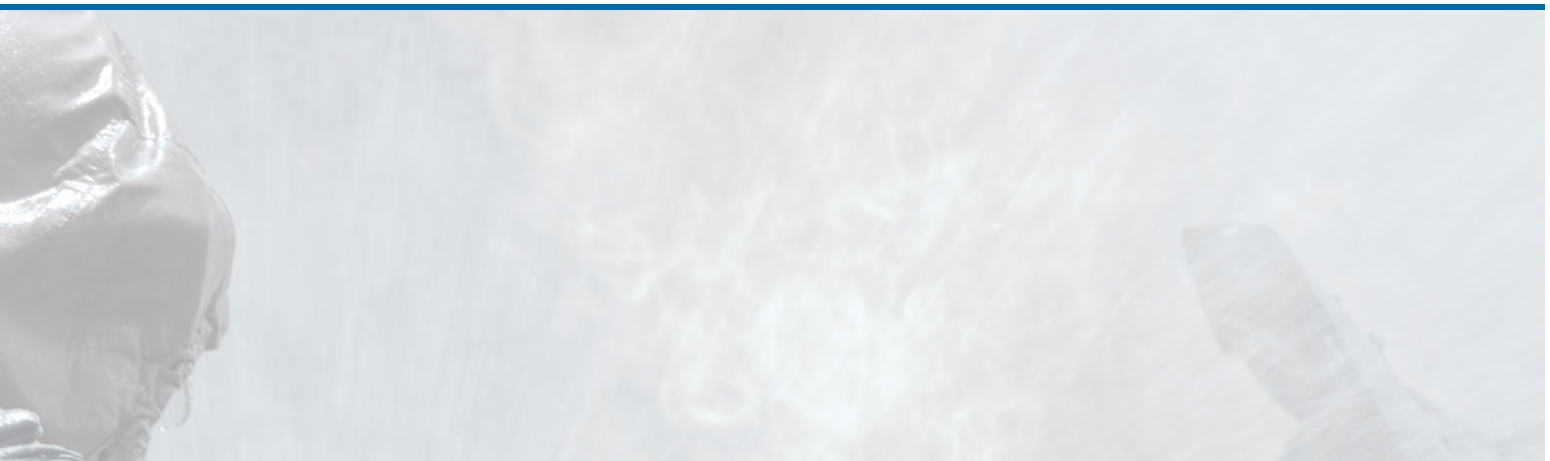


Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
2.5" NST-NH female	300 GPM	100 PSI	14.09 x 6.54 x 13.31	10.58	18538

Pokador 300



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
2.5" NST-NH female	300 GPM	100 PSI	14.09 x 6.54 x 13.31	10.58	08934



To tailor your hand nozzles, a large range of colors are available for the bumper guards, shutoff handle covers and pistol grips in polyurethane or polyamide.

Bumper guards



Description	Debikador Turbokador 40	Weight (lbs)	Turbokador Debikador 125	Weight (lbs)	Debikador 200	Weight (lbs)	Debikador 350	Weight (lbs)
Black	13587	0.15	22477	0.30	22831	0.49	22710	0.55
Red-RAL3024	20931	0.15	22478	0.30	22832	0.49	22711	0.55
Orange-RAL2005	20932	0.15	22479	0.30	22833	0.49	22712	0.55
Yellow-RAL1026	20933	0.15	22480	0.30	22834	0.49	22713	0.55
Green-RAL6024	20934	0.15	22481	0.30	22835	0.49	22714	0.55
Blue-RAL5010	20936	0.15	22483	0.30	22837	0.49	22716	0.55

Bumper guards with molded rubber teeth



Description	Magikador 125	Weight (lbs)	Magikador 200	Weight (lbs)	Magikador 350	Weight (lbs)
Black	22975	0.35	22548	0.55	22989	0.66
Red-RAL3024	22976	0.35	22549	0.55	22990	0.66
Orange-RAL2005	22977	0.35	22550	0.55	22991	0.66
Yellow-RAL1026	22978	0.35	22551	0.55	22992	0.66
Green-RAL6024	22979	0.35	22552	0.55	22993	0.66
Blue-RAL5010	22981	0.35	22554	0.55	22995	0.66

Crowned bumper guards



Description	Magikador 40	Weight (lbs)	Slide-o-matic 150	Weight (lbs)	Legend 125	Weight (lbs)	Magikador 350	Weight (lbs)
Black	24804	0.23	24818	0.68	24797	0.35	24811	0.81
Red-RAL3024	24805	0.23	24819	0.68	24798	0.35	24812	0.81
Orange-RAL2005	24806	0.23					24813	0.81
Yellow-RAL1026	24807	0.23					24814	0.81
Green-RAL6024	24890	0.23	24892	0.68	24894	0.35	24816	0.81
Blue-RAL5010	24809	0.23					24893	0.81

Shutoff handle protectors



Description	French inscriptions	English inscriptions	German inscriptions	Chinese inscriptions
Black	13675	13689	13696	27570
Red-RAL3024	13671	13685	13692	27566
Orange-RAL2005	13670	13684	13691	27565
Yellow-RAL1016	13669	13683	13690	27564
Green-RAL6024	13673	13687	13694	27568
Blue-RAL5010	13672	13686	13693	27567

Pistol grips



Description	Ref.	Weight (lbs)
Black	24161	0.27
Red-RAL3024	24162	0.27
Orange-RAL2005	24163	0.27
Yellow-RAL1026	24164	0.27
Green-RAL6024	24165	0.27
Blue-RAL5010	24167	0.27

Shutoff handle in polyamide



Description	Ref.	Weight (lbs)
Black	17739	0.11
Red-RAL3024	16732	0.11
Orange-RAL2005	16731	0.11
Yellow-RAL1026	16730	0.11
Green-RAL6024	16734	0.11
Blue-RAL5010	16733	0.11

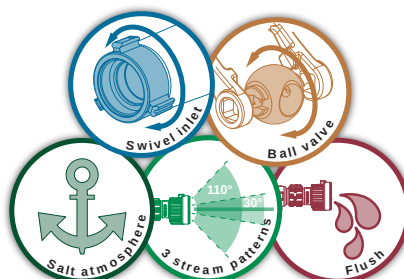
Hand nozzles - Marine type - Fixed flow rate



The Pokabronze nozzle with fixed flow rate is entirely made of bronze. It comes with a molded teeth tip.

The bumper guard allows the selection of different stream patterns (straight jet, flashover and wide angle spray).

The US Navy chose these nozzles to protect its ships against fire.



Maximum working pressure: 230 PSI

Shutoff: with ball valve

Opening: by operating handle

Flush position: YES

Material: bronze

Body type: molded

Head: molded teeth

Pistol grip: one

Options: low expansion foam attachment, medium expansion foam attachment.

Bumper guard colors: ●

Equips the US Navy



Pokabronze 125



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	60 GPM	100 PSI	8.66 x 9.33 x 4.57	8.66	08986
1.5" NST-NH female	125 GPM	100 PSI	8.66 x 9.33 x 4.57	8.66	08988
1.5" NPSH female	95 GPM	100 PSI	8.66 x 9.33 x 4.57	8.66	14497
1.5" NST-NH female	95 GPM	100 PSI	8.66 x 9.33 x 4.57	8.66	14497.NST

Pokabronze 250



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
2.5" NST-NH female	250 GPM	100 PSI	10.75 x 9.57 x 4.72	12.50	17090



Turbokabronze 125



The Turbokabronze nozzle with selectable flow rates and stream patterns is entirely made of bronze. A calibrated ring allows to select the flow rates. The flow patterns are obtained by rotating the head ring: straight jet, flashover and wide angle spray. It is equipped with a tip with spinning teeth.

Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	30-60-95 GPM	100 PSI	9.53 x 9.33 x 4.57	11.11	08945
1.5" NST-NH female	60-95-125 GPM	100 PSI	9.53 x 9.33 x 4.57	11.11	08946

Maximum working pressure: 230 PSI

Shutoff: with ball valve

Opening: by operating handle

Flush position: YES

Material: bronze

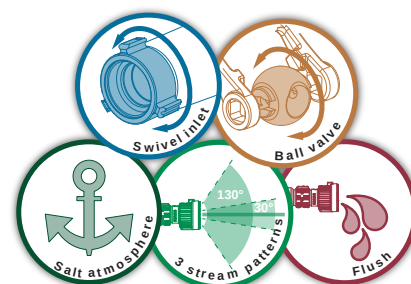
Body type: molded

Head: spinning teeth

Pistol grip: one

Options: low expansion foam attachment, medium expansion foam attachment.

Bumper guard colors: ●



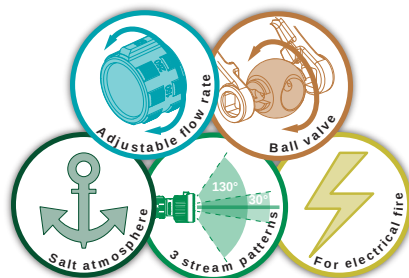
Hand nozzles - Marine type - Selectable flow rate



The entire range of Turbokador nozzles in stainless steel have selectable flow rates and are available with several tips: aluminium or bronze, for electrical fires.

The stream pattern is obtained by rotating the head ring. The selection of the flow rates is done by rotating the ring.

These nozzles are marine and made to last in a corrosive environment.



Maximum working pressure: 230 PSI
Shutoff: with ball valve
Opening: by operating handle
Flush position: YES
Material: bronze, stainless steel, aluminium
Body type: molded
Head: spinning teeth
Pistol grip: one

Options: low expansion foam attachment, medium expansion foam attachment.

Bumper guard colors: ●

Approved by French navy



Turbokador 130 for electric fires - marine type

Body in stainless steel 316L, tip in bronze



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	50-80-130 GPM	100 PSI			00235.NST

Turbokador 125 for electric fires - marine type

Body in stainless steel 316L, tip in anodised aluminium alloy



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	50-80-125 GPM	100 PSI			08049.NST



Turbokador 125

Body in stainless steel 316L, tip in anodised aluminium alloy



The stream pattern is selectable from the head ring. An indexed ring allows to select the flow rates.

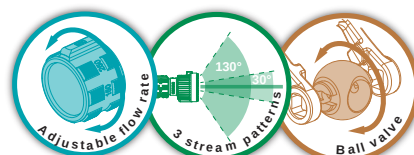
The French Navy chose these nozzles to protect its nuclear aircraft carrier against fire.

Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	30-60-95-125 GPM	100 PSI			09188.NST

Maximum working pressure: 230 PSI
 Shutoff: with ball valve
 Opening: by operating handle
 Flush position: YES
 Material: stainless steel, aluminium
 Body type: molded
 Head: spinning teeth
 Pistol grip: one

Options: low expansion foam attachment, medium expansion foam attachment.

Bumper guard colors: ●



Turbokador 125 for electric fires

Body in stainless steel 316L, tip in anodised aluminium alloy.

On this nozzle, straight jet and flush positions were removed for a greater safety of the fireman.



Turbokador model with stainless steel body, aluminium alloy tip, selectable flow rate and for electric fires.

The stream pattern is selectable from the head ring. An indexed ring allows to select the flow rates.

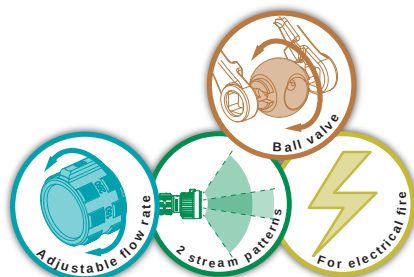
The French Navy chose these nozzles to protect its nuclear aircraft carrier against fire.

Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	40-80-125 GPM	100 PSI			08031.NST

Maximum working pressure: 230 PSI
 Shutoff: with ball valve
 Opening: by operating handle
 Material: stainless steel, aluminium
 Body type: molded
 Head: spinning teeth
 Pistol grip: one

Options: low expansion foam attachment, medium expansion foam attachment.

Bumper guard colors: ●

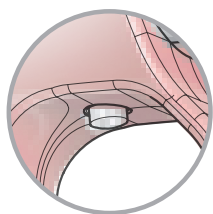


Hand nozzles - High pressure



Criquet

Other tips are possible on request.



Locking knob of the trigger

Our high pressure nozzle "CRIQUET" can operate with a fixed flow rate of 40 GPM and at a pressure of 580 PSI. Rotation of the bumper enables the selection of the stream patterns (straight jet, flashover, wide angle spray).

A better handling is provided through a swivel inlet coupling and optional swivel elbow. The operating handle trigger comes with a locking knob. The lock is released when pressing once on the handle.

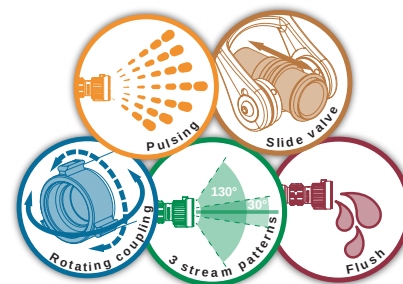
The nozzle is made of aluminium alloy, hard anodised.

Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1" NST-NH female	40 GPM	580 PSI			35708.NST

Maximum working pressure: 580 PSI
Shutoff: with slide valve
Opening: by trigger
Trigger locking: YES
Flush position: YES
Material: aluminium
Surface treatment: hard anodisation
Body type: molded
Head: molded teeth

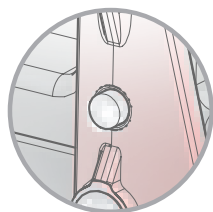
Options: carrying strap, orientable elbow.

Bumper guard colors: ●



Damster

Other tips are possible on request.



Locking knob of the trigger

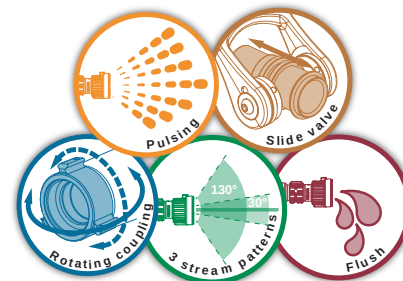
Our high pressure nozzle DAMSTER can operate at 580 PSI. A better handling is provided through a swivel coupling and optional swivel elbow. The flow rates are obtained by rotating the ring. The bumper with tactile markings enables to select the different stream patterns (straight jet, flashover, wide angle spray). The grip handle comes with a locking knob. The lock is released when pressing once on the handle.

Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1" NST-NH female	40 GPM	580 PSI			35707.NST

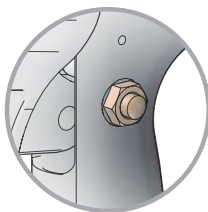
Maximum working pressure: 580 PSI
Shutoff: with slide valve
Opening: by trigger
Trigger locking: YES
Flush position: YES
Material: aluminium
Surface treatment: hard anodisation
Body type: molded
Head: molded teeth

Options: low expansion foam attachment, medium expansion foam attachment, carrying strap, orientable elbow.

Bumper guard colors: ●●●●●●



Black gun



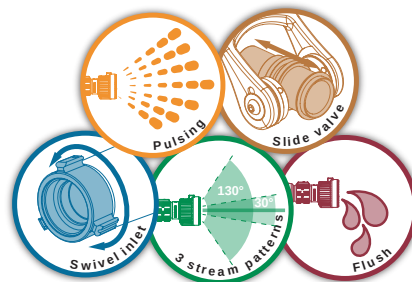
Locking knob of the trigger

Our high pressure nozzle "Black gun" was designed to operate at 100 PSI. It is equipped with a selectable flow rate and stream patterns (straight jet, flashover, wide angle spray) of 60 GPM. Its ergonomic handle is suitable for the pulsing mode.

Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	15-40-60 GPM	100 PSI			35894.NST

Maximum working pressure: 230 PSI
Shutoff: with slide valve
Opening: by trigger
Trigger locking: YES
Flush position: YES
Material: aluminium
Surface treatment: hard anodisation
Body type: molded
Head: spinning teeth

Bumper guard colors:



Galaxie



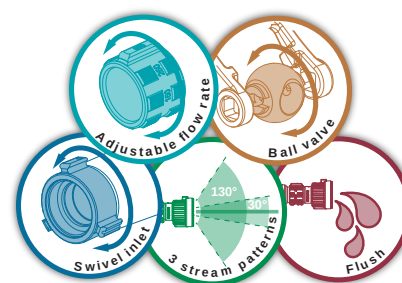
The "Galaxie" nozzle is simple and efficient. The flow rate ring allows to select from different flow rates: 15, 30, 60, 90 and 125 GPM at 100 PSI. The head ring is used to operate the stream patterns (straight jet, flashover, wide angle spray). The Galaxie nozzle comes with a tip with spinning teeth. The shutoff handle operates the open/close positions.

Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	15-30-60-90-125 GPM	100 PSI			18655.NST

Maximum working pressure: 230 PSI
Shutoff: with ball valve
Opening: by operating handle
Flush position: YES
Material: aluminium
Surface treatment: polyester coating, hard anodisation
Body type: molded
Head: spinning teeth

Options: low expansion foam attachment, medium expansion foam attachment.

Bumper guard colors: ●



Flash



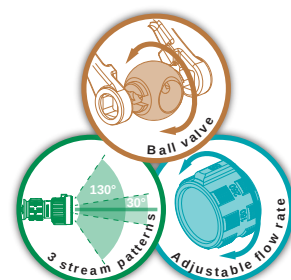
Our range of "Flash" nozzles are simple and robust. They are available in three flow rates: 25, 60 or 100 GPM at 100 PSI. The stream patterns are adjusted via the head ring. The "gamma" handle operates the open/close positions of the nozzle.

Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	25 GPM	100 PSI			23014
1.5" NST-NH female	60 GPM	100 PSI			23015
1.5" NST-NH female	100 GPM	100 PSI			23016

Maximum working pressure: 230 PSI
Shutoff: with ball valve
Opening: by operating handle
Material: aluminium
Surface treatment: polyester coating, hard anodisation
Body type: molded
Head: smooth

Options: low expansion foam attachment, medium expansion foam attachment.

Bumper guard colors: ●



The "Belier" nozzle is designed to reach and extinguish fires in closed rooms. It is of particularly robust design in stainless steel construction. Four grip handles allow intervention in pairs. It offers the choice of multiple configurations: short or long extension, shutoff valve ... It is equipped with an interchangeable stainless steel tip.

Maximum working pressure: 230 PSI
Shutoff: option
Material: stainless steel
Options: shutoff with ball valve

Configuration with pistol grip



Configuration with four grips



"Belier" nozzle



Inlet	Flow rate	Working pressure	Dimensions (ft)	Weight (lbs)	Ref.
1.5" NST-NH female	120 GPM	100 PSI	5	25.77	02306
1.5" NST-NH female	120 GPM	100 PSI	3	18.57	08955

"Belier" nozzle accessories - tip in stainless steel



Description	Flow rate	Working pressure	Weight (lbs)	Ref.
Tip in stainless steel male ISO M36 x 200	120 GPM	100 PSI	2.54	00801

"Belier" nozzle accessories - piercing tip in stainless steel



Description	Weight (lbs)	Ref.
Piercing tip stainless steel	0.18	14468

"Belier" nozzle accessories - straight tube



Description	Weight (lbs)	Ref.
Straight tube, without shutoff, without piercing tip, 1.5" NST-NH female	4.06	11926

"Belier" nozzle accessories - storage bracket with rubber strap



Description	Weight (lbs)	Ref.
Storage bracket in aluminium alloy	0.99	18689

The fog application nozzle is used to clean large tanks.

A fog head is screwed to the end of the nozzle to ensure a homogeneous spray. Depending on the shape of the tank, several configurations are possible: elbow of 45° or 90°.

It can also be equipped with a filter shutoff for opening and closing the waterway.

Maximum working pressure: 230 PSI

Shutoff: with ball valve

Opening: by operating handle

Material: stainless steel

Bumper guard colors:



Configuration without extension
with applicator with 45° bend



Fog application nozzle - Filter shutoff



Inlet	Outlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	SG DN40	120 GPM	100 PSI			07353.NST

Fog application nozzle - straight extension-piece



Inlet	Outlet	Dimensions (inches)	Weight (lbs)	Ref.
SG DN40	SG DN40	62.99 x 2.95 x 2.95	2.82	07357

Fog application nozzle - applicator with 90° bend



Inlet	Outlet	Dimensions (inches)	Weight (lbs)	Ref.
SG DN40	1" BSP male	65.87 x 2.95 x 15.98	3.09	07354

Fog application nozzle - applicator with 45° bend



Inlet	Outlet	Dimensions (inches)	Weight (lbs)	Ref.
SG DN40	1" BSP male	70 x 2.95 x 12.05	2.93	07356

Fog application nozzle - fog head



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1" BSP female	120 GPM	100 PSI	5.98 x 1.65 x 1.65	2.82	07355

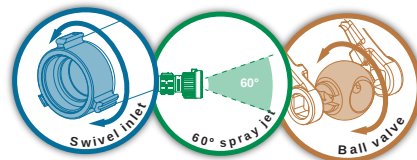
"Chimney" nozzle



The "Chimney" nozzle is used to extinguish fires such as high-beam fires or fires in dropped ceilings or chimneys. It has a robust and lightweight design. It offers a 7 GPM limited flow to avoid any water damage.

It is composed of an American shutoff, a straight part with an elbow of 45° at the end and a conical diffuser to achieve a 60° spray.

Maximum working pressure: 230 PSI
Shutoff: with ball valve
Opening: by operating handle
Material: aluminium alloy
Surface treatment: anodisation
Body type: cut into bars
Head: smooth

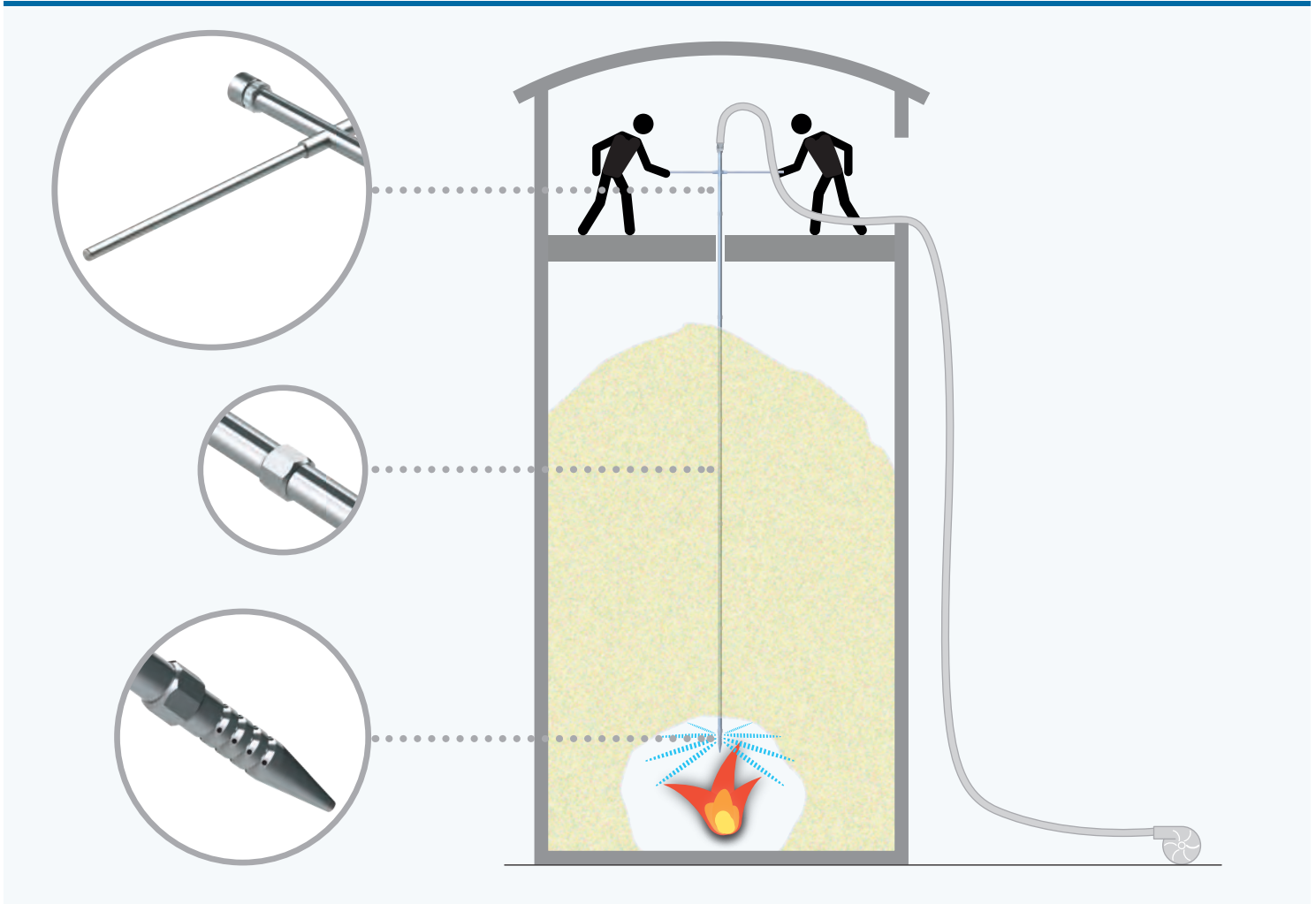


Inlet	Flow rate (GPM)	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1" NST-NH female	7	85 PSI			03529.NST



The "Gerico" nozzle was specially designed for silo fires. It allows through its various extensions to reach the heart of the fire source located several tens of meters in the silo. It consists of an operating handle with a diffusion tip. Its configuration offers the ability to add the number of extensions required depending on the silo.

Maximum working pressure: 230 PSI
Material: stainless steel



"Gerico" nozzle



Inlet	Flow rate (GPM)	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	170	100 PSI			13250.NST

Extension



Description	Weight (lbs)	Ref.
5" extension in stainless steel, inlet female 1.25" BSP, outlet male 1.25" BSP	11.24	24566

Our shutoffs are available in several configurations: open/close horseshoe handle shaped, "gamma", aluminium alloy construction.



Maximum working pressure: 230 PSI
Shutoff: with ball valve
Opening: by operating handle or lever
Material: aluminium alloy

Bumper guard colors: 

Shutoff with swivel threaded inlet



Inlet	Outlet	Waterway	Weight (lbs)	Ref.
Swivel 1" NST-NH female	1" NST-NH male	1"	2.49	09981
Swivel 1.5" NST-NH female	1.5" NST-NH male	1"	2.65	09983
Swivel 1.5" NST-NH female	1.5" NST-NH male	1-3/8"	2.65	09985
Swivel 2.5" NST-NH female	1.5" NST-NH male	1-3/8"	3.53	09986
Swivel 2.5" NST-NH female	2.5" NST-NH male	2"	4.94	09989

Shutoff with casted body



Inlet	Outlet	Waterway	Weight (lbs)	Ref.
Swivel 1.5" NST-NH female	1.5" NST-NH male	1-1/4"	2.09	90018

Shutoffs with pistol grip



Our shutoffs are available in several configurations: one or two handle grips, open/close horseshoe handle shaped, "gamma", aluminium alloy construction.



Maximum working pressure: 230 PSI
Shutoff: with ball valve
Opening: by operating handle or lever
Material: aluminium alloy ou bronze

Bumper guard colors:



Shutoff with one pistol grip



Inlet	Outlet	Waterway	Weight (lbs)	Ref.
Swivel 1" NST-NH female	1" NST-NH male	5/8"	1.92	13341
Swivel 1" NST-NH female	1" NST-NH male	1"	2.78	09982
Swivel 1.5" NST-NH female	1.5" NST-NH male	1"	3.22	09984
Swivel 2.5" NST-NH female	1.5" NST-NH male	1-3/8"	4.85	09987
Swivel 1.5" NST-NH female	1.5" NST-NH male	1-3/8"	3.22	09990

Shutoff with two pistol grips



Inlet	Outlet	Waterway	Weight (lbs)	Ref.
Swivel 2.5" NST-NH female	1.5" NST-NH male	1-3/8"	6.50	09988

Shutoff with casted body



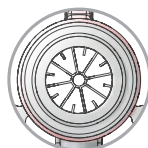
Inlet	Outlet	Waterway	Weight (lbs)	Ref.
Swivel 1.5" NST-NH female	1.5" NST-NH male	1-3/8"	3.70	07669
Swivel 1.5" NST-NH female	1.5" NST-NH male	1-1/4"	2.65	90017

Pistol grips without shutoff

With jet straightener and filter



Inlet	Outlet	Waterway	Weight (lbs)	Ref.
Swivel 1.5" NST-NH female	1.5" NST-NH male	1-3/8"	1.96	02320



Inside view of the jet straightener and filter

The waterwall nozzles are used for fire protection of tanks or sensitive equipment and against radiant heat and flying sparks.

The plate to obtain the water curtain is made in aluminum and has streaks for better maintenance of the spray in difficult weather conditions with strong wind.

It is equipped with a handle and a stabilizing device for the ground.

Maximum working pressure: 230 PSI
Material: aluminium
Surface treatment: polyester coating
Handle: one
Body type: molded

Transportable waterwall nozzles



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
Swivel 1.5" NST-NH female	130 GPM	85 PSI	9.53 x 12.6 x 5.12	3.20	02238
Swivel 2.5" NST-NH female	320 GPM	85 PSI	13.23 x 15.71 x 6.3	7.36	02239

The waterwall nozzle in stainless steel are made for marine environment.

Maximum working pressure: 230 PSI
Material: stainless steel

Transportable waterwall nozzles in stainless steel



Inlet	Flow rate	Working pressure	Dimensions (inches)	Weight (lbs)	Ref.
2" NPT male	320 GPM	85 PSI	12.6 x 3.94	4.85	23135



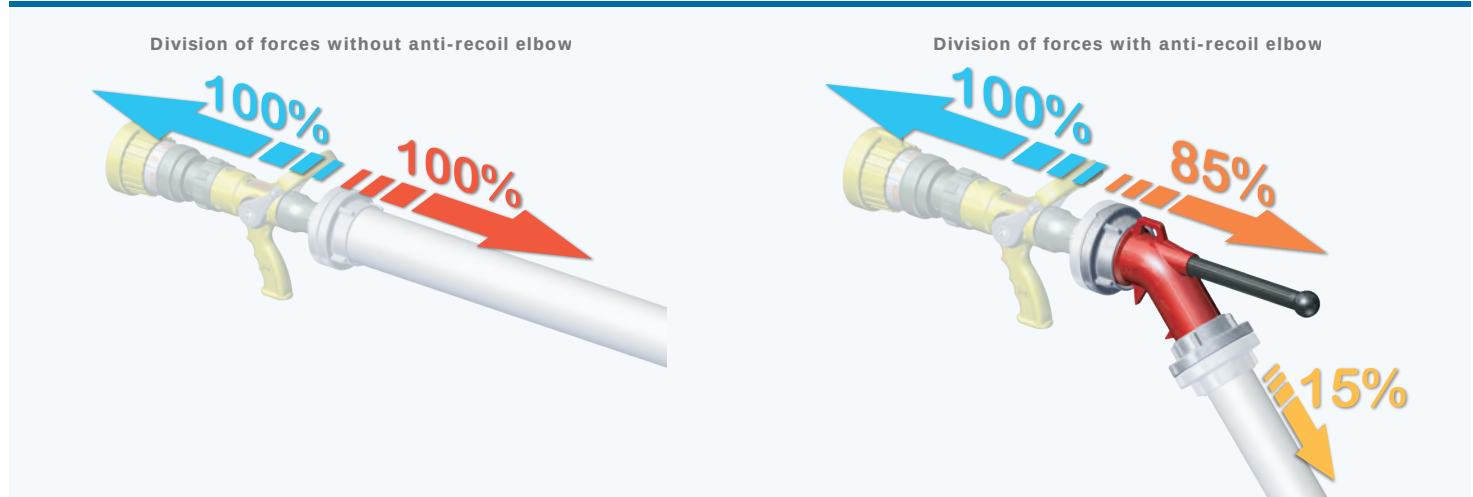
DESCRIPTION

The anti-recoil elbow DIN 14-368 is supplied in all firefighting vehicles in Germany, Austria, and in all countries referring to the German DIN standard. The anti-recoil elbow is used when the capacity of the fire nozzle exceeds 100 GPM at 85 PSI. Its basic function is to reduce the effort supported by the operator. The effort is reduced by about 15%. Indeed, a fire nozzle of 125 GPM at 85 PSI exerts a reaction force of 66 lbs. Reducing this reaction to 56 lbs is felt immediately; it reduces fatigue and improves the safety of the nozzle operator.

The anti-recoil elbow DIN standard has a handle to facilitate gripping. The handle may also be positioned on the shoulder of the operator.

A hook on the bottom of the device allows for the positioning on a ladder rung or on a railing. The anti-recoil elbow DIN 14-368 is equipped with Storz couplings B/75 that can be easily replaced by British Instantaneous couplings 2,5", by American NST-NH couplings 2,5" or by French couplings DSP DN65.

When the couplings are of the symmetric type, the inlet and outlet can be mounted on the device and elbow reversed positioned on the ground, thus eliminating the recoil force for the operator.



Maximum working pressure: 230 PSI
Type of handle: one
Material: aluminium alloy
Surface treatment: polyester coating
Body type: molded

Anti-recoil elbows - 230 PSI



According to
DIN 14 368
PVR 1/05



Description

Inlet swivel 2.5" NST-NH female, outlet 2.5" NST-NH male

Weight (lbs)

3.75

Ref.

16036

Anti-recoil elbows - 230 PSI



Description

DN40, inlet swivel 1.5" NST-NH female, outlet 1.5" NST-NH male

DN65, inlet swivel 2.5" NST-NH female, outlet 2.5" NST-NH male

Weight (lbs)

2.12

6.57

Ref.

02308

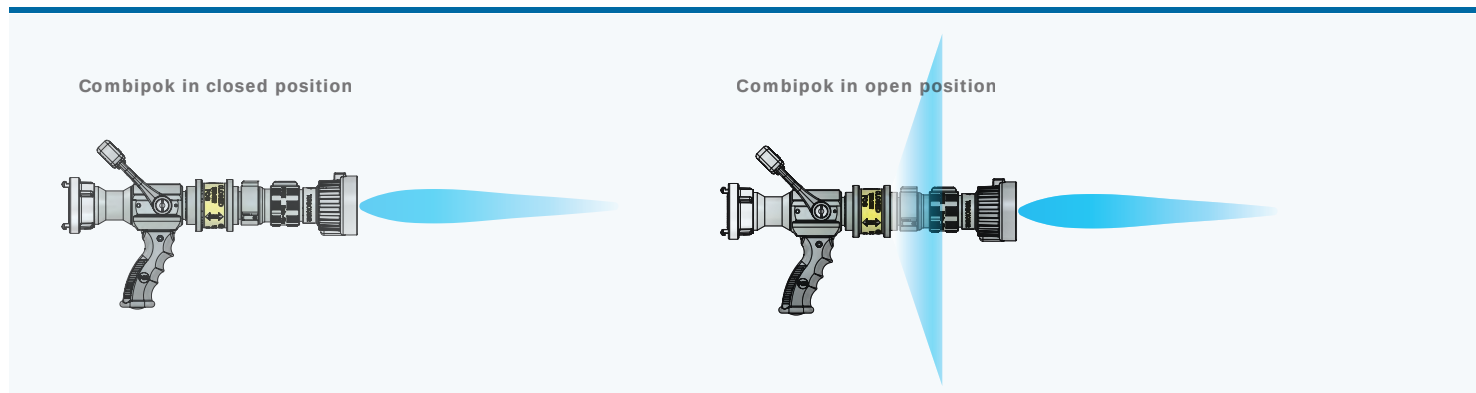
02309

DESCRIPTION

The **combination straight jet and full spray** allows to fight the fire and protect the nozzle operator simultaneously. The **COMBIPOK** was designed to protect value and courage.

To fight the ignition source with a straight jet allows rapid extinction. However, the heat given off by the fire causes the nozzle operator to stay away, limiting the effect of the water jet. The water screen incorporated into the nozzle, ensures at the same time the protection of nozzle operator against radiant heat and induces a cooler environment. Simultaneously, the straight jet allows optimum fight of the fire.

The combination straight jet and waterwall has been carried out in production in Germany 90 years ago for the first time. **The COMBIPOK is the modern solution to an old problem.**



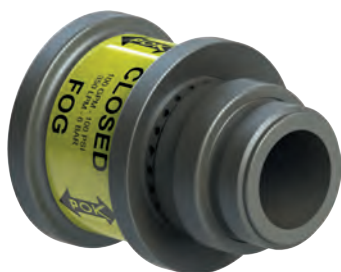
TECHNICAL CHARACTERISTICS

The waterwall is activated when pulling the operating ring (for the Combipok I) and turning the operating ring (for the Combipok II)

- The screen is turned off by performing the reverse rotation.
- **Waterway diameter:** 1-3/8".
- **Water flow rate of the waterwall:** 100 GPM at 100 PSI.
- Made of aluminum alloy (cut in solid bar).
- Is mounted to a stop valve with a waterway diameter of Ø 1-3/8", a pistol grip, a shutoff handle "Open • Closed", a sphere in Rilsan made of 30% glass, please precise the inlet coupling type.
- **Different nozzles are available as outlets:**
 - Ø 3/8" , Ø 1/2" , Ø 5/8" , Ø 3/4" , Ø 7/8" , Ø 15/16 and Ø 1"

The straight jet can be replaced by an automatic tip transforming the fire nozzle into a nozzle combining multiple spray patterns and a protective waterwall.

Combipok I



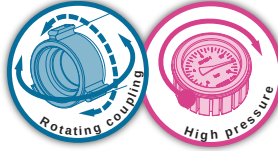
Inlet	Outlet	Weight (lbs)	Ref.
1.5" NST-NH female	1.5" NST-NH male	1.32	14196
1.5" NPSH female	1.5" NPSH male	1.32	14300

Combipok II



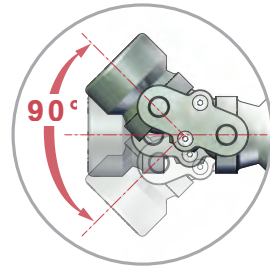
Inlet	Outlet	Weight (lbs)	Ref.
1.5" NST-NH female	1.5" NST-NH male	1.34	14476
1.5" NPSH female	1.5" NPSH male	1.34	14483

High pressure swivel coupling in aluminum alloy with hard anodisation.
It offers a 15% reduction of the recoil force supported by the nozzle operator.



Material: aluminium
Surface treatment: hard anodisation

Unidirectional swivel elbows for high pressure nozzles

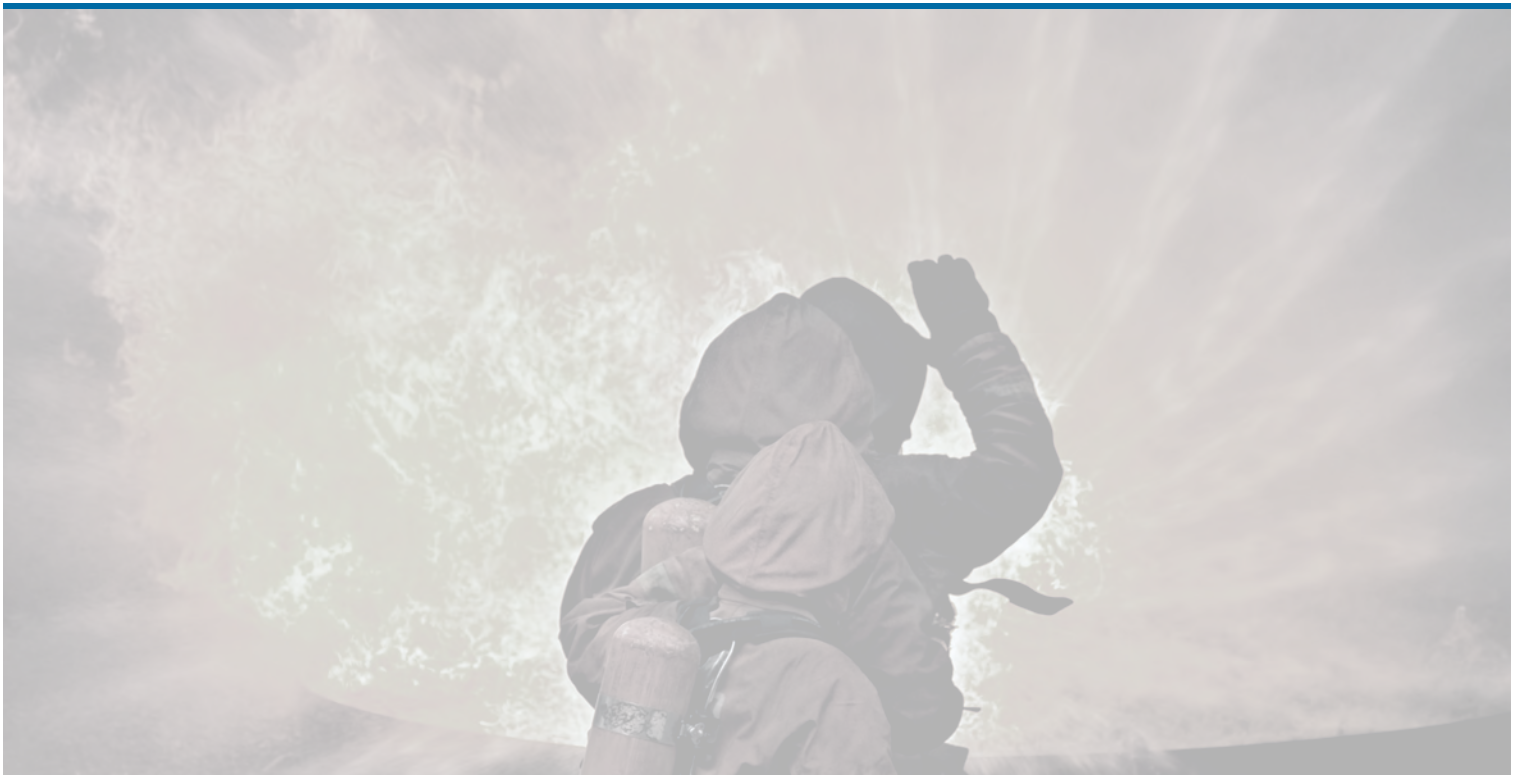


Inlet	Outlet	Maximum working pressure	Waterway Ø (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	1.5" NST-NH male	580 PSI	1-5/8"		37344.NST

Bidirectional swivel elbows for high pressure nozzles



Inlet	Outlet	Maximum working pressure	Waterway Ø (inches)	Weight (lbs)	Ref.
1.5" NST-NH female	1.5" NST-NH male	230 PSI	1-5/8"		37367
1.5 NPSH female	1.5 NPSH male	230 PSI	1-5/8"		37370



Our family of foam attachments were designed to complete our entire range of hand nozzles. They are available in different dimensions: 40, 125, 150, 200 and 350 GPM.

There are two main categories: low and medium expansion. It is simple to use and a clamping system ensures the safety during its operation.

Maximum working pressure: 230 PSI
Material: aluminium alloy
Surface treatment: polyester coating
Body type: molded

Low expansion foam attachment series 40



Description	External bumper guard diameter (inches)	Weight (lbs)	Ref.
Expansion foam attachment for cylindrical tip	2.76	1.19	09294
Expansion foam attachment for rounded tip	3.07	1.12	24985

Low expansion foam attachment series 125



Description	External bumper guard diameter (inches)	Weight (lbs)	Ref.
Expansion foam attachment for cylindrical tip	3.66	2.07	09297
Expansion foam attachment for rounded tip	3.82	2.07	24997

Low expansion foam attachment series 150 and 200



Description	External bumper guard diameter (inches)	Weight (lbs)	Ref.
Expansion foam attachment for cylindrical tip	4.49	3.31	27487
Expansion foam attachment for rounded tip	4.72	3.22	25010

Low expansion foam attachment series 350



Description	External bumper guard diameter (inches)	Weight (lbs)	Ref.
Expansion foam attachment for cylindrical tip	4.96	4.08	09300
Expansion foam attachment for rounded tip	5.20	3.51	25015

Medium expansion foam attachment series 40



Description	External bumper guard diameter (inches)	Weight (lbs)	Ref.
Expansion foam attachment for cylindrical tip	2.76	3	09712

Medium expansion foam attachment series 125



Description	External bumper guard diameter (inches)	Weight (lbs)	Ref.
Expansion foam attachment for cylindrical tip	3.66	2.07	09713

Medium expansion foam attachment series 150, 200 and 350 GPM



Description	External bumper guard diameter (inches)	Weight (lbs)	Ref.
Expansion foam attachment for cylindrical tip	4.49	3.22	09714



The DMB nozzle shutoffs have three positions: closed, flat stream, straight jet. They are designed to be connected with branchpipes to allow several possibilities depending on circumstances.



Deluge nozzles DMB



Maximum working pressure: 230 PSI
Shutoff: with ball valve
Stream pattern: closed, flat stream and straight jet
Opening: by operating handle
Material: aluminium alloy
Body type: molded
Options: branchpipe, red or yellow shutoff handle



Inlet	Diameter (mm)	Dimensions (inches)	Weight (lbs)	Ref.
1" NST-NH female	20/8-8	0.8/0.3-0.3		07350.NST
1.5" NST-NH female	40/12-12	1.6/0.5-0.5		02784.1.5.NST
2.5" NST-NH female	65/18-18	2.5/0.7-0.7		09285.NST



1. Warranty

Our products are guaranteed for two years from the date of receipt. The warranty covers faults with the raw materials and any defect in the production such as those defined in articles 1641 and the following found in the French Civil Code. The cost of labour to eliminate these defects in our workshops is also covered. The guarantee is limited to the replacement of the defective piece. You will not be able to receive monetary compensation. The cost of shipping is not covered under this warranty. The warranty will not apply if we are able to determine that the materials have been damaged by:

- Normal wear and tear from proper usage of the product
- Incorrect usage of the product
- Accidents caused by negligence
- Lack of proper attention to the product
- Failure to maintain effective upkeep of the product
- Not conforming to standards for using the product
- Altering the product to use it outside of its professional usages
- Improper storage of the product

2. Sales

When placing an order, the client accepts the present conditions. They can not be modified by any provision in favor of the buyer or his commercial interests. All first purchases must be accompanied with a bank statement permitting us to open an account. The order, including the client notes and any commitments made by our agents, are not valid until we have acknowledged receipt of the order. Orders which have a net cost before taxes of less than our minimum order price of 150 € will be increased at the fixed amount of 50 €.

3. Price

Our prices are established based on the rates in effect on the day the merchandise is shipped.

They are ex-Works Nogent-Sur-Seine (France), packing and freight charges in addition, even when we do advance payment of the freight.

4. Payment

Time allotted to pay any invoice has to be concluded with the sales department. In a case of late payment, interest will be charged from the due date. All disputes relating to the settlement of the order are under the jurisdiction of the Court of Commerce in Troyes (Tribunal de Commerce de Troyes). Our money orders or acceptances are neither novations nor exceptions from this jurisdiction clause, even in the case of a warranty claim or if there are several defendants. Payment for merchandise may not be changed or delayed due to any delays in delivery of merchandise. Any failure on the part of the buyer in the execution of the payment of one or more of the agreed-upon invoices with the supplier will cause the cancellation of the sale and will give the seller the right to reclaim the property. For amounts less than 250€, payment by bank transfer is demanded upon receipt of the invoice.

5. Shipping

The delivery time mentioned on the Acknowledgment of Receipt of Order is simply a prediction based on current conditions. Any delay will not be our responsibility. In the case of a major event (such as strikes, lock-outs, epidemics, requisition, war, revolution, or natural disaster), we will be released from any obligations taken under our Acknowledgement of Receipt of Order. Shipments are made according to the best rates of transport that we are able to find while also taking into account the quality of service. The cost of shipping and handling are charged to the customer regardless of any divisions of the order. All orders amounting to more than 600€, excluding taxes, will receive free shipping to the destination if the order is for France; this excludes the first order and opening of an account where free shipping is only given for orders over 1525€, excluding taxes. All the orders for export are ex-Works Nogent-Sur-Seine (France).

It is possible to ask for express shipping or to split the shipping of an order. However, the price of shipping and handling will be applied to each delivery.

Any dispute or complaint relating to our deliveries must be submitted in writing within 15 days of the date of delivery.

6. Returns

All returns must be subject to an agreement with our services. In all cases, returns must be addressed to our factory, freight and taxes paid by the customer. Nonstandard and customized merchandise, merchandise that has been damaged or modified may not be returned. Standard merchandise that is in good condition may be returned within 12 months after shipment at the latest. A 30% decrease in the sales price will be applied.

7. Shipping & Delivery

Once it is shipped, the merchandise is the responsibility of the transport company. In the event of damaged or missing merchandise, it is advised to point it out in writing on the carrier receipt and to send a registered letter to the carrier within 48 hours of receipt of merchandise.

8. After-sales service

The transit of material carries a transfer of risks of loss or destruction of merchandise, subject to the damage that could occur. In this event, a quote is sent to the customer within 10 days. After accepting this quote by means of a purchase order, the products are returned within maximum 10 days. The cost of shipping remains the responsibility of the customer. If the customer does not respond within four weeks after the delivery of the estimate, the customer will be reminded per email. If there is no response within 3 months, the merchandise will be destroyed. In the case of a refusal, the merchandise will be returned at the customers expense.

9. Catalogue

Any images or drawings depicted in our catalogue or other documents are only meant to be a guide and are not eligible for dispute or complaint. We use the commonly accepted dimensions and specifications for our merchandise. We reserve the right to modify or change at any moment the merchandise shown in the catalogue or to stop the sale of these items, and this may not be held against us in any form.

If a thread gauge and caliper are not available, and a sample cannot be sent, the following method can be used to obtain the correct outside diameter and pitch of the thread needed.

- 1 - Cut a strip of paper about 1.0" wide, long enough to wrap tightly around the circumference of the male thread and overlap at the ends.
- 2 - With a pin, pierce through both layers of the paper.
- 3 - Press your thumb firmly against the thread hard enough to make a thread impression on the strip.
- 4 - Remove the strip and circle the pinholes on the strip with a pencil.
- 5 - Divide the distance between the pinholes by 3.1416. The result is the ODM (outside diameter of the male).

It is important that both the ODM and threads per inch (pitch) of the male part are given when ordering. Always include the paper strip with your correspondence. If not specified, "V" sharp thread will be furnished.

Size	National Standard NH		Straight Iron Pipe NPSH		New York City FD FDNY		New York Corp NYC		Pacific Coast PCT		Chicago Fire Dept CFD		British Standard BSP	
	ODM	TPI	ODM	TPI	ODM	TPI	ODM	TPI	ODM	TPI	ODM	TPI	ODM	TPI
3/4"	1.375	8	1.0353	14					1.0625	11			1.041	14
1"	1.375	8	1.295	11.5	1.660	8			1.3125	12			1.309	11
1 1/4"	1.6718	9	1.6399	11.5					1.860	11			1.650	11
1 1/2"	1.990	9	1.8788	11.5	2.100	8	2.093	11	2.100	11	1.933	11.5	1.882	11
2"	2.515	8	2.3528	11.5			2.561	11	2.550	10			2.347	11
2 1/2"	3.068	7.5	2.841	8			3.000	8	3.046	7.5	2.990	7.5	2.960	11
3"	3.6239	6	3.470	8	3.030	8							3.460	11
3 1/2"	4.2439	6	3.970	8	3.630	8					4.052	8		
4"	5.0109	4	4.470	8	4.070	8					5.011	4	4.450	11
4 1/2"	5.7609	4	4.970	8	4.610	8					5.761	4	4.950	11
5"	6.260	4	5.535	8	5.800	4					6.260	4	5.450	11
6"	7.025	4	6.592	8							7.024	4	6.450	11

Canadian Suction Hose

Size	Lafrance			Mack Truck			King Seagrave			American Marsh			Pierre Thibault		
	ODM	TPI	Shake	ODM	TPI	Shake	ODM	TPI	Shake	ODM	TPI	Shake	ODM	TPI	Shake
4"	5.085	4	0.050	4.999	4	0.050	4.938	4	0.050	4.995	4	0.050	4.660	5	0.045
4.5"	5.750	4	0.050	5.760	4	0.050	5.750	4	0.050	5.750	4	0.050	5.720	4	0.060
5"	6.150	4	0.050	6.230	4	0.050	6.073	4	0.050	6.062	4	0.050	6.240	4	0.035
6"	7.000	4	0.050	6.980	4	0.050	7.073	4	0.050	6.980	4	0.050	6.940	4	0.074

Suction Hose Threads

Size	American Lafrance			Hale Fire Pump			Mack Truck			Maxim			Pirsch Thread			Seagrave FWD			Waterous			Ward Lafrance		
	ODM	TPI	Shake	ODM	TPI	Shake	ODM	TPI	Shake	ODM	TPI	Shake	ODM	TPI	Shake	ODM	TPI	Shake	ODM	TPI	Shake	ODM	TPI	Shake
4"	5.085	4	0.050	5.010	4	0.050	5.0109	4	0.060	5.000	4	0.050	5.000	4		4.955	4	0.060	5.010	4	0.060	5.010	4	0.050
4.5"	5.760	4	0.050	5.760	4	0.050	5.760	4	0.050	5.750	4	0.050	5.750	4					5.760	4	0.060	5.760	4	0.050
5"	6.150	4	0.050	6.260	4	0.050				6.250	4	0.050	6.250	4		6.055	4	0.050	6.260	4	0.060	6.260	4	0.050
6"	7.000	4	0.050	7.025	4	0.050	6.955	4	0.050	7.000	4	0.050	7.000	4		7.055	4	0.050	7.261	4	0.060	7.025	4	0.050

Canadian Standard 2.5" Hose Threads

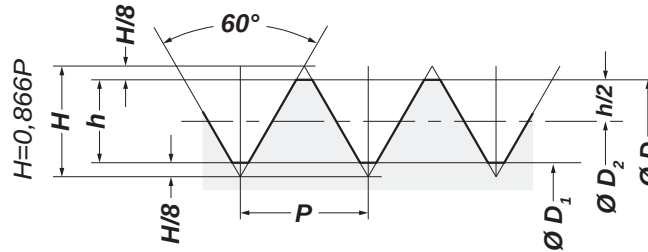
		ODM	TPI
AMA	Alberta Mutual Aid	2.990	8
BCT	British Columbia	3.000	8
CSA	Canadian Standards Association - Ontario	3.125	5
QST	Province of Quebec Standard	3.031	7
WCT	Western Canada Fire Underwriters	3.250	6
NSC	Nova Scotia - Zone 1	3.230	5
QMT	Quebec / Montreal Combination	3.031	7

ODM = Outside Diameter of Male

TPI = Thread per Inch.

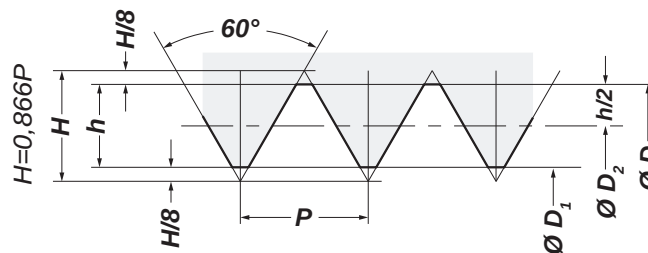


External cylindrical thread



Designation		Step P (inches)	Number of threads per inch	Depth h (inches)	Exterior diameters D			Side diameters D ₂			Nut diameters D ₁ (inches)
Inches					Minimum (inches)	Maximum (inches)	Tolerance (inches)	Minimum (inches)	Maximum (inches)	Tolerance (inches)	
3/4"											
1"	1-8NH	0.125	8	0.081	1.353	1.375	0.022	1.283	1.294	0.011	1.213
1 1/4"											
1 1/2"	1,5-9NH	0.111	9	0.072	1.968	1.990	0.022	1.907	1.918	0.011	1.846
2"	2-8 NH	0.125	8	0.081	2.484	2.516	0.032	2.418	2.434	0.016	2.353
2 1/2"	2,5-7,5NH	0.133	7.5	0.087	3.037	3.069	0.032	2.966	2.982	0.016	2.895
3"	3-6NH	0.167	6	0.108	3.588	3.624	0.036	3.498	3.516	0.018	3.403
3 1/2"	3,5-6NH	0.167	6	0.108	4.208	4.244	0.036	4.118	4.136	0.018	4.027
4"	4-4NH	0.250	4	0.162	4.961	5.011	0.050	4.824	4.849	0.025	4.686
4 1/2"	4,5-4NH	0.250	4	0.162	5.711	5.761	0.050	5.574	5.599	0.025	5.436
5"	5-4NH	0.250	4	0.162	6.210	6.260	0.050	6.073	6.098	0.025	5.935
6"	6-4NH	0.250	4	0.162	6.975	7.025	0.050	6.838	6.863	0.025	6.700

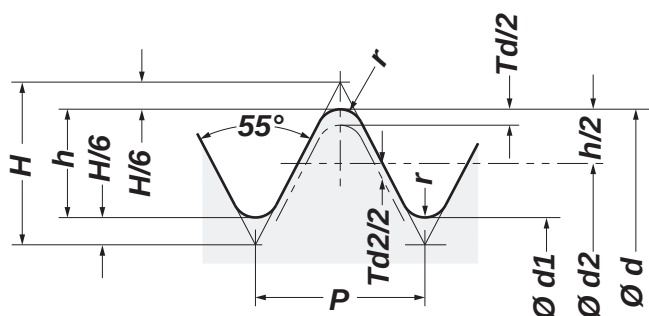
Internal cylindrical thread



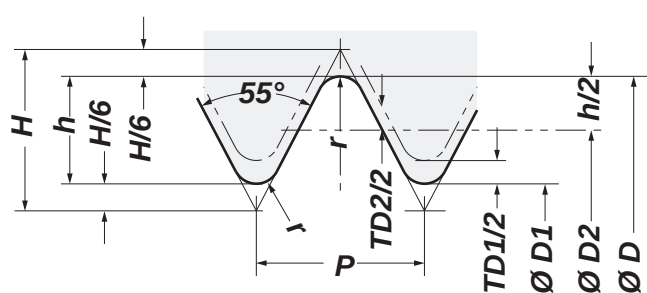
Designation		Step P (inches)	Number of threads per inch	Depth h (inches)	Exterior diameters D			Side diameters D ₂			Nut diameters D ₁ (inches)
Inches					Minimum (inches)	Maximum (inches)	Tolerance (inches)	Minimum (inches)	Maximum (inches)	Tolerance (inches)	
3/4"											
1"	1-8NH	0.125	8	2.062	0.081	1.247	0.022	1.306	1.317	0.011	1.387
1 1/4"		0.000									
1 1/2"	1,5-9NH	0.111	9	1.833	0.072	1.880	0.022	1.930	1.941	0.011	2.002
2"	2-8 NH	0.125	8	2.062	0.081	2.400	0.032	2.449	2.465	0.016	2.563
2 1/2"	2,5-7,5NH	0.133	7.5	2.200	0.087	2.942	0.032	2.997	3.013	0.016	3.084
3"	3-6NH	0.167	6	2.750	0.108	3.458	0.036	3.531	3.549	0.018	3.639
3 1/2"	3,5-6NH	0.167	6	2.750	0.108	4.083	0.036	4.156	4.174	0.018	4.264
4"	4-4NH	0.250	4	4.124	0.162	4.761	0.050	4.874	4.899	0.025	5.036
4 1/2"	4,5-4NH	0.250	4	4.124	0.162	5.511	0.050	5.624	5.649	0.025	5.786
5"	5-4NH	0.250	4	4.124	0.162	6.010	0.050	6.123	6.148	0.025	6.285
6"	6-4NH	0.250	4	4.124	0.162	6.775	0.050	6.888	6.913	0.025	7.050



External cylindrical thread



Internal cylindrical thread



Units		Step P (inches)	Number of threads per inch	Depth h (inches)	Diameters			Exterior thread		Interior thread	
Inch	Millimeters				Exterior D=d (inches)	Side D2=d2 (inches)	Nut D1=d1 (inches)	Side (classe B)	Top Td	Side Td2	Top Td1
0.25"	6	0.0526	19	0.0337	0.5180	0.4843	0.4506	-0.0098	-0.0098	+ 0.0049	+ +0.0175
0.375"	10	0.0526	19	0.0337	0.6560	0.6223	0.5886	-0.0098	-0.0098	+ 0.0049	+ 0.0175
0.5"	15	0.0714	14	0.0457	0.8250	0.7793	0.7335	-0.0112	-0.0112	+ 0.0056	+ 0.0213
0.75"	20	0.0714	14	0.0457	1.0410	0.9952	0.9495	-0.0112	-0.0112	+ 0.0056	+ 0.0213
1"	25	0.0909	11	0.0582	1.3090	1.2508	1.1926	-0.0142	-0.0142	+ 0.0071	+ 0.0252
1.25"	32	0.0909	11	0.0582	1.6500	1.5918	1.5335	-0.0142	-0.0142	+ 0.0071	+ 0.0252
1.5"	40	0.0909	11	0.0582	1.8820	1.8238	1.7656	-0.0142	-0.0142	+ 0.0071	+ 0.0252
2"	50	0.0909	11	0.0582	2.3470	2.2888	2.2306	-0.0142	-0.0142	+ 0.0071	+ 0.0252
2.25"	55	0.0909	11	0.0582	2.5870	2.5288	2.4706	-0.0171	-0.0171	+ 0.0085	+ 0.0252
2.5"	65	0.0909	11	0.0582	2.9600	2.9017	2.8435	-0.0171	-0.0171	+ 0.0085	+ 0.0252
3"	80	0.0909	11	0.0582	3.4600	3.4018	3.3435	-0.0171	-0.0171	+ 0.0085	+ 0.0252
3.5"	90	0.0909	11	0.0582	3.9500	3.8918	3.8335	-0.0171	-0.0171	+ 0.0085	+ 0.0252
4"	100	0.0909	11	0.0582	4.4500	4.3918	4.3335	-0.0171	-0.0171	+ 0.0085	+ 0.0252
4.5"	115	0.0909	11	0.0582	4.9500	4.8918	4.8335	-0.0171	-0.0171	+ 0.0085	+ 0.0252
5"	125	0.0909	11	0.0582	5.4500	5.3918	5.3335	-0.0171	-0.0171	+ 0.0085	+ 0.0252
5.5"	140	0.0909	11	0.0582	5.9500	5.8918	5.8335	-0.0171	-0.0171	+ 0.0085	+ 0.0252
6"	150	0.0909	11	0.0582	6.4500	6.3918	6.3335	-0.0171	-0.0171	+ 0.0085	+ 0.0252
7"	175	0.1000	10	0.0640	7.4500	7.3860	7.3220				
8"	200	0.1000	10	0.0640	8.4500	8.3860	8.3220				
9"	225	0.1000	10	0.0640	9.4500	9.3860	9.3220				
10"	250	0.1000	10	0.0640	10.4500	10.3860	10.3220				

BSP cylindrical thread without watertightness in the thread

Flanges dimensions

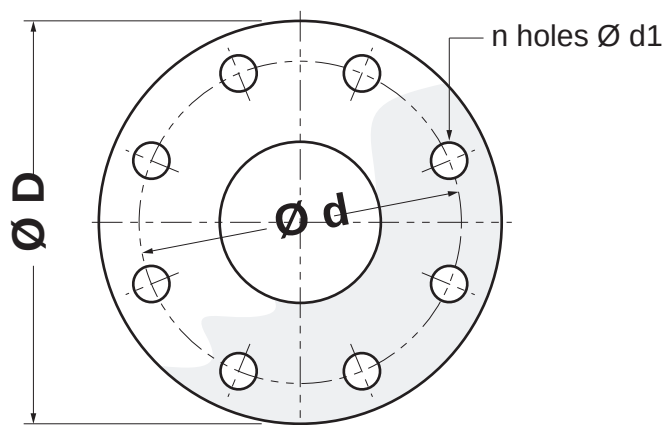


Conform to
French norms
NF E 29-201
and **NF E 29-203**

Conform to
German norm
DIN 2501

Conform to
US norm
ANSI B 16-5

Conform to
International norm
ISO 2084



DN : nominal diameter
D : flange exterior diameter
d : diameter of hole circles
d1 : diameter of through holes
Fil. : bolt threads
n : number of bolts
e : flange thickness
PN : nominal pressure in bar

Nominal Diameter DN		PN16 (ISO Standard) (dimensions in inches)						ASA 150 lbs - ISO PN20 (dimensions in inches)					
mm	inches	D	d	d1	Fil.	n	e	D	d	d1	Fil.	n	e
15	0.591	3.7402	2.5591	0.5512	M12	4	0.5512	3.5000	2.3740	0.6260	M14	4	0.4409
20	0.787	4.1339	2.9528	0.5512	M12	4	0.6299	3.8740	2.7480	0.6260	M14	4	0.5000
25	0.984	4.5276	3.3465	0.5512	M12	4	0.6299	4.2520	3.1260	0.6260	M14	4	0.5630
32	1.260	5.5118	3.9370	0.7087	M16	4	0.6299	4.6260	3.5000	0.6260	M14	4	0.6260
40	1.575	5.9055	4.3307	0.7087	M16	4	0.6299	5.0000	3.8740	0.6260	M14	4	0.6890
50	1.969	6.4961	4.9213	0.7087	M16	4	0.7087	6.0000	4.7480	0.7480	M16	4	0.7520
65	2.559	7.2835	5.7087	0.7087	M16	4	0.7087	7.0000	5.5000	0.7480	M16	4	0.8780
80	3.150	7.8740	6.2992	0.7087	M16	8	0.7874	7.5000	6.0000	0.7480	M16	4	0.9409
100	3.937	8.6614	7.0866	0.7087	M16	8	0.7874	9.0000	7.5000	0.7480	M16	8	0.9409
125	4.921	9.8425	8.2677	0.7087	M16	8	0.8661	10.0000	8.5000	0.8740	M20	8	0.9409
150	5.906	11.2205	9.4488	0.8661	M20	8	0.8661	11.0000	9.5000	0.8740	M20	8	1.0000
175	6.890	12.4016	10.6299	0.8661	M20	8	0.9449						
200	7.874	13.3858	11.6142	0.8661	M20	12	0.9449	13.5000	11.7480	0.8740	M20	8	1.1260
225	8.858	14.5669	12.7953	0.8661	M20	12	0.9449						
250	9.843	15.9449	13.9764	1.0236	M24	12	1.0236	16.0000	14.2520	1.0000	M24	12	1.1890
300	11.811	18.1102	16.1417	1.0236	M24	12	1.1024	19.0000	17.0000	1.0000	M24	12	1.2520
350	13.780	20.4725	18.5039	1.0236	M24	16	1.1811	21.0000	18.7480	1.1260	M27	12	1.3740
400	15.748	22.8347	20.6693	1.1811	M27	16	1.2598	23.5000	21.2520	1.1260	M27	16	1.4370
450	17.717	25.1969	23.0315	1.1811	M27	20	1.2598	25.0000	22.7480	1.2520	M30	16	1.5630
500	19.685	28.1496	25.5906	1.2992	M30	20	1.3386	27.5000	25.0000	1.2520	M30	20	1.6890

General Usage Flanges

The flow through a firefighting nozzle is determined by the formula :

(Torricelli's Formula)

$$Q_v = S \cdot \sqrt{2 g \cdot H}$$

in which :

Q_v = Volumetric flow (m³/s)

S = Area of the nozzle tip (m²)

g = Acceleration of the weight (9,81 m/s²)

H = Monometric height in meters (m)

Manometric Height (Formula)

$$H = P / (\rho \cdot g)$$

in which :

P = Pressure of the nozzle

ρ = Volumetric Mass (kg/m³) : example water = 1000 kg/m³

Therefore :

$$Q_v = \pi/4 \cdot d^2 \cdot \sqrt{2 g \cdot P / \rho \cdot g}$$

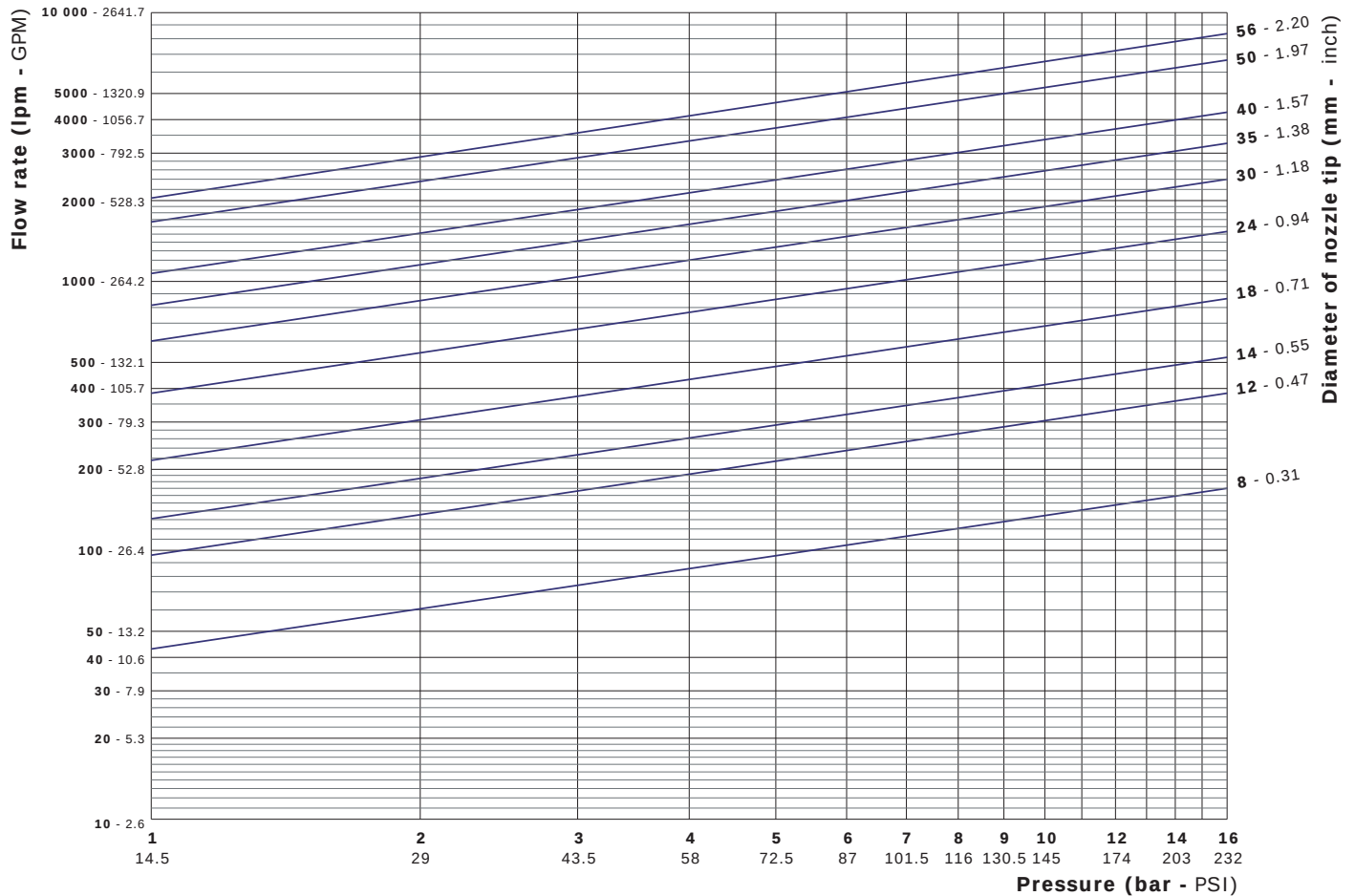
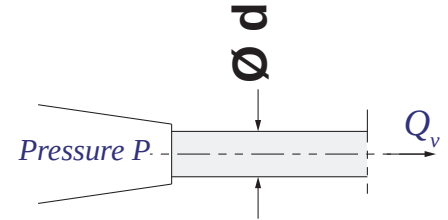
Flow through the Nozzle (Formula)

$$Q_v = 0,666 \cdot d^2 \cdot \sqrt{P}$$

Q_v = Flow through the nozzle (lpm)

d = Diameter of the nozzle tip (mm)

P = Pressure of the nozzle (bar)



Flow rates through Firefighting Nozzles, by pressure and nozzle tip diameter

The value of the reaction force of a firefighting nozzle is determined by the formula :

Reaction Force of a Firefighting nozzle
$$F = Q_m \cdot v = \rho \cdot Q_v \cdot v$$

In which :

Q_m = Mass Flow (Kg/s)

Q_v = Volumetric Flow (m³/s)

ρ = Volumetric Mass (kg/m³) : example water = 1000 kg/m³

v = Velocity of the water at the nozzle tip (m/s)

(Torricelli's Formula)

$$Q_v = S \cdot \sqrt{2 \cdot g \cdot H}$$

In which :

S = Area of the nozzle tip (m²)

g = Acceleration of the weight (9,81 m/s²)

H = Manometric Height in meters (m)

Therefore :

Reaction of the Nozzle (Formula)

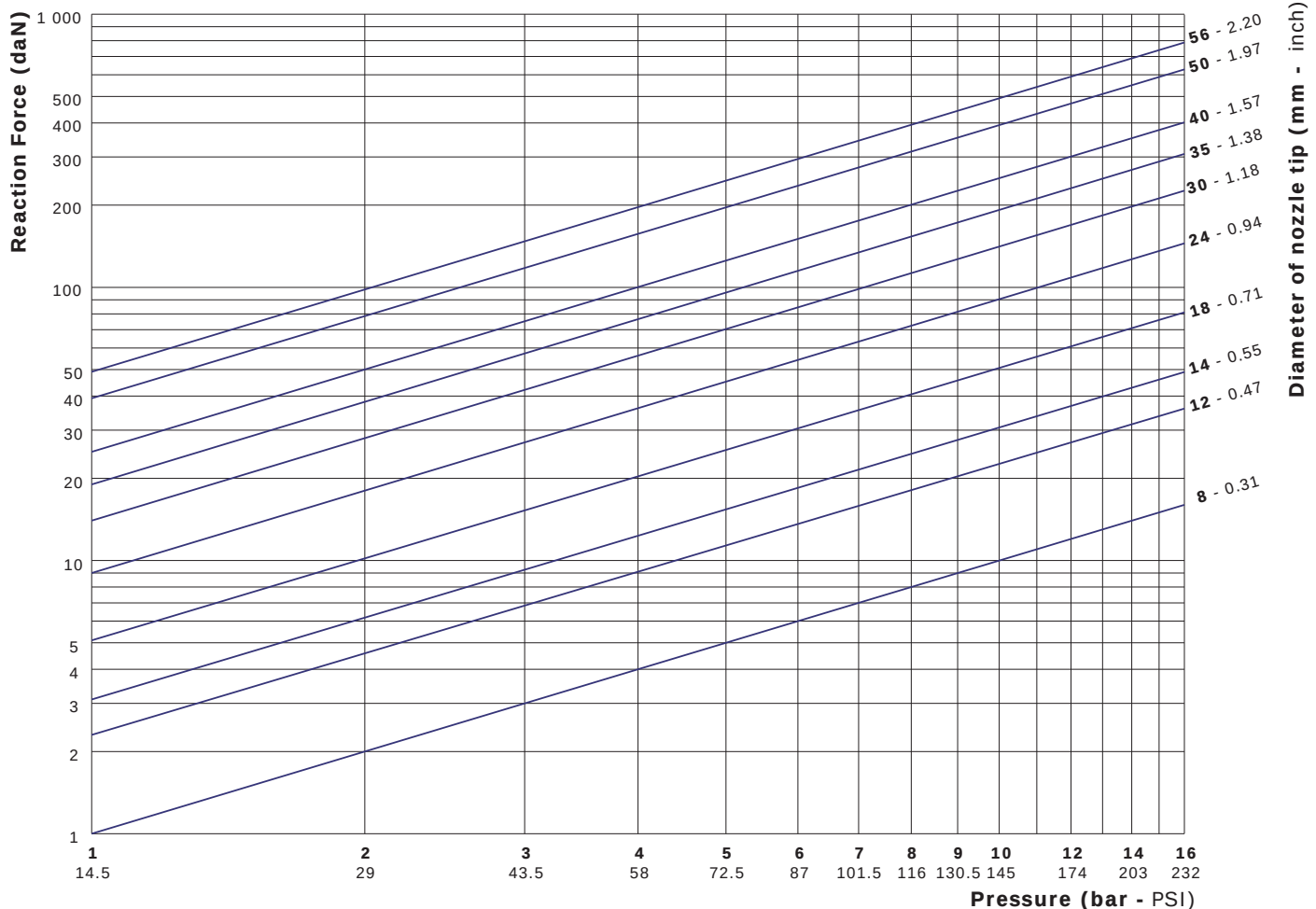
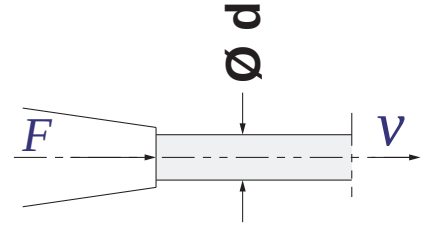
$$F = \pi/2 \cdot d^2 \cdot \rho \cdot g \cdot H$$

$$F = 0,0157 \cdot d^2 \cdot P$$

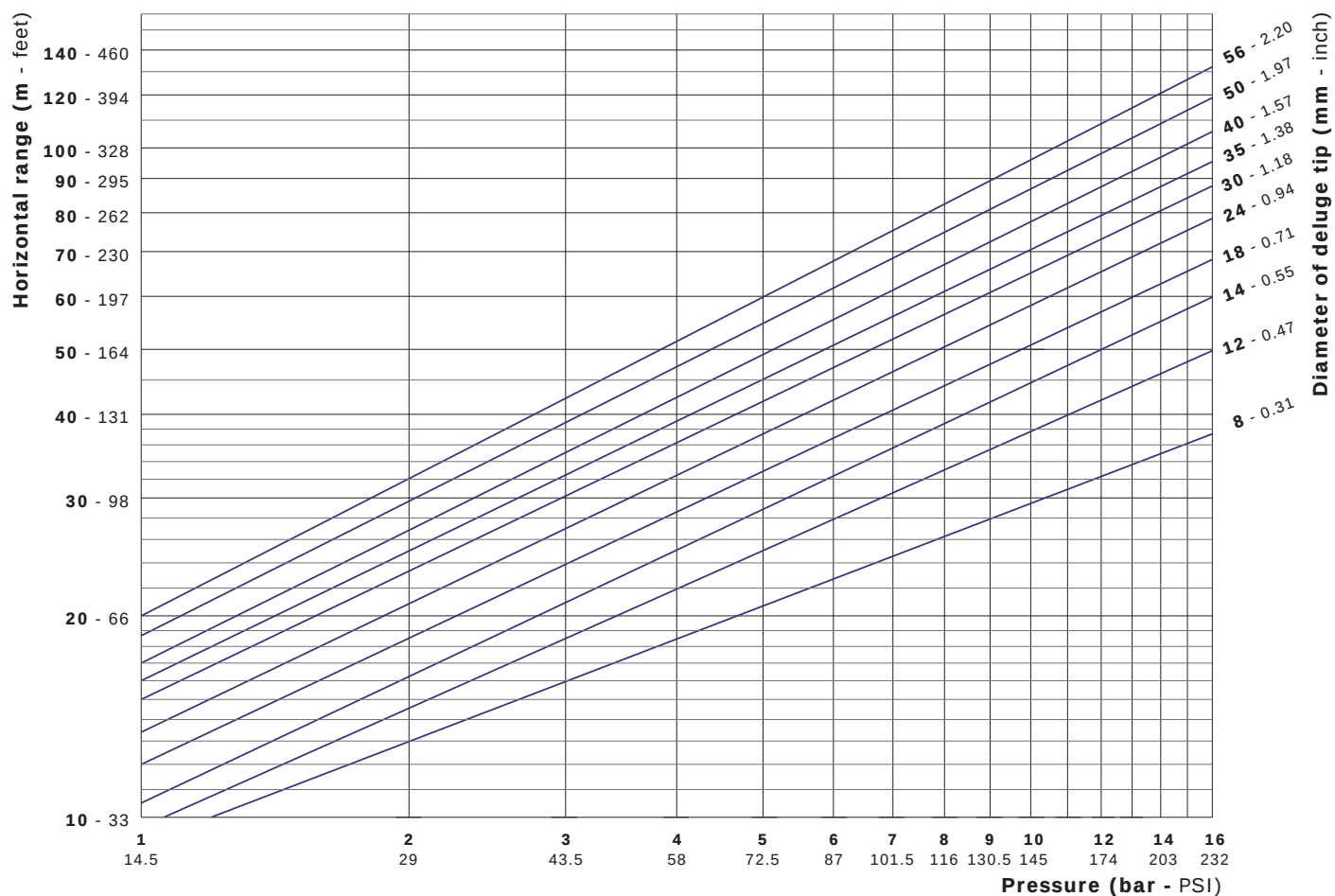
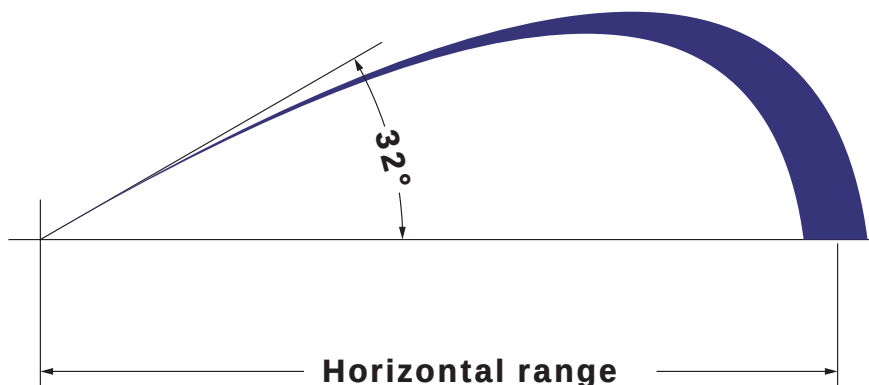
F = Force of Reaction (daN)

d = Diameter of the nozzle tip (mm)

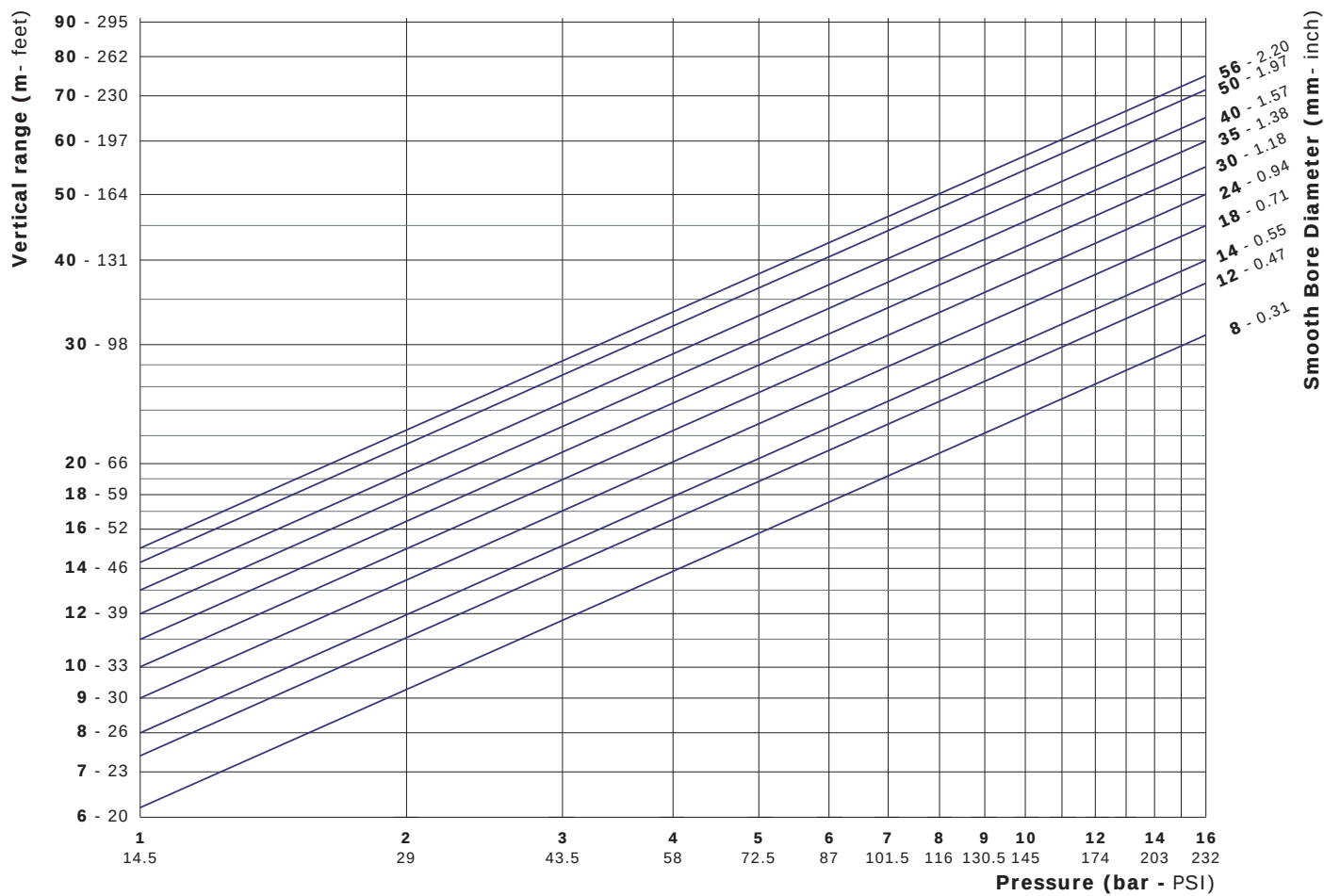
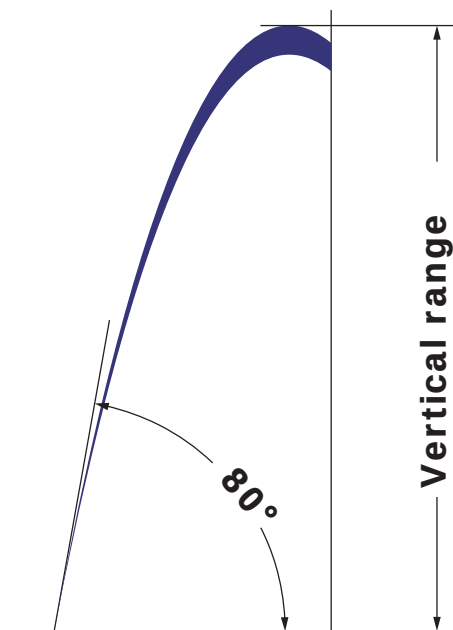
P = Pressure of the nozzle (bar)



Reaction Force for Firefighting Nozzles, by pressure and tip diameter



Horizontal stream trajectories of fire nozzles, by pressure and nozzle tip diameter



Vertical stream Trajectories of fire nozzles, by pressure and nozzle tip diameter

1 inch = 25.4 mm
1 foot = 0.3048 m
1 yard = 0.914 m
1 mile = 1.609 km

1 square inch = 6.452 cm²
1 square foot = 929 cm²
1 square yard = 0.836 m²

1 cubic inch = 16.387 cm³
1 cubic foot = 28.312 dm³
1 cubic yard = 0.765 m³

1 US liquid pint = 0.473 l
1 US liquid quart = 0.946 l
1 US gallon = 3.785 l
1 UK pint = 0.568 l
1 UK quart = 1.136 l
1 UK gallon = 4.546 l

1 ounce = 28.349 g
1 pound (lb) = 0.454 kg

1 ounce per cubic foot = 1 kg/dm³
1 pound per cubic foot = 16 g/dm³
1 ounce per US gallon = 7.489 g/l
1 pound per US gallon = 0.12 kg/l
1 ounce per UK gallon = 6.236 g/l
1 pound per UK gallon = 0.1 kg/l

1 US gallon per minute = 3.785 lpm
1 UK gallon per minute = 4.546 lpm

1 pound-force (lbf) = 0.445 daN

1 pound-force
per square inch (psi) = 0.0689 bar

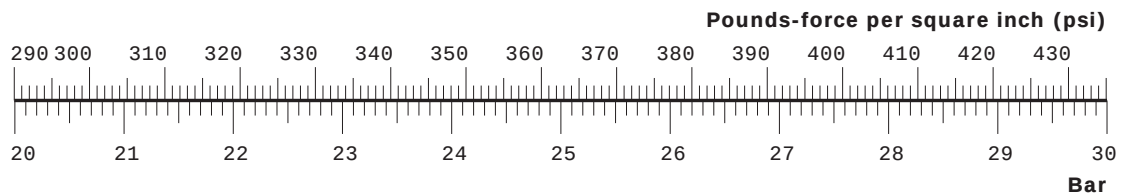
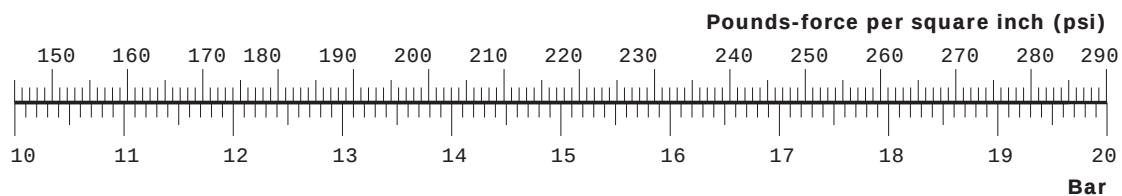
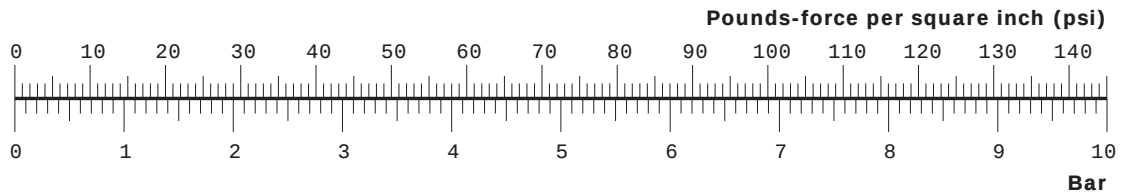
1 mile per hour per second = 0.447 m/s²

Inches → ↓	0	1/16	1/8	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	15/16
0	0.0	1.6	3.2	4.8	6.4	7.9	9.5	11.1	12.7	14.3	15.9	17.5	19.1	20.6	22.2	23.8
1	25.4	27.0	28.6	30.2	31.8	33.3	34.9	36.5	38.1	39.7	41.3	42.9	44.5	46.0	47.6	49.2
2	50.8	52.4	54.0	55.6	57.2	58.7	60.3	61.9	63.5	65.1	66.7	68.3	69.9	71.4	73.0	74.6
3	76.2	77.8	79.4	81.0	82.6	84.1	85.7	87.3	88.9	90.5	92.1	93.7	95.3	96.8	98.4	100.0
4	101.6	103.2	104.8	106.4	108.0	109.5	111.1	112.7	114.3	115.9	117.5	119.1	120.7	122.2	123.8	125.4
5	127.0	128.6	130.2	131.8	133.4	134.9	136.5	138.1	139.7	141.3	142.9	144.5	146.1	147.6	149.2	150.8
6	152.4	154.0	155.6	157.2	158.8	160.3	161.9	163.5	165.1	166.7	168.3	169.9	171.5	173.0	174.6	176.2
7	177.8	179.4	181.0	182.6	184.2	185.7	187.3	188.9	190.5	192.1	193.7	195.3	196.9	198.4	200.0	201.6
8	203.2	204.8	206.4	208.0	209.6	211.1	212.7	214.3	215.9	217.5	219.1	220.7	222.3	223.8	225.4	227.0
9	228.6	230.2	231.8	233.4	235.0	236.5	238.1	239.7	241.3	242.9	244.5	246.1	247.7	249.2	250.8	252.4
10	254.0	255.6	257.2	258.8	260.4	261.9	263.5	265.1	266.7	268.3	269.9	271.5	273.1	274.6	276.2	277.8
11	279.4	281.0	282.6	284.2	285.8	287.3	288.9	290.5	292.1	293.7	295.3	296.9	298.5	300.0	301.6	303.2
12	304.8	306.4	308.0	309.6	311.2	312.7	314.3	315.9	317.5	319.1	320.7	322.3	323.9	325.4	327.0	328.6
13	330.2	331.8	333.4	335.0	336.6	338.1	339.7	341.3	342.9	344.5	346.1	347.7	349.3	350.8	352.4	354.0
14	355.6	357.2	358.8	360.4	362.0	363.5	365.1	366.7	368.3	369.9	371.5	373.1	374.7	376.2	377.8	379.4
15	381.0	382.6	384.2	385.8	387.4	388.9	390.5	392.1	393.7	395.3	396.9	398.5	400.1	401.6	403.2	404.8
16	406.4	408.0	409.6	411.2	412.8	414.3	415.9	417.5	419.1	420.7	422.3	423.9	425.5	427.0	428.6	430.2
17	431.8	433.4	435.0	436.6	438.2	439.7	441.3	442.9	444.5	446.1	447.7	449.3	450.9	452.4	454.0	455.6
18	457.2	458.8	460.4	462.0	463.6	465.1	466.7	468.3	469.9	471.5	473.1	474.7	476.3	477.8	479.4	481.0
19	482.6	484.2	485.8	487.4	489.0	490.5	492.1	493.7	495.3	496.9	498.5	500.1	501.7	503.2	504.8	506.4
20	508.0	509.6	511.2	512.8	514.4	515.9	517.5	519.1	520.7	522.3	523.9	525.5	527.1	528.6	530.2	531.8
21	533.4	535.0	536.6	538.2	539.8	541.3	542.9	544.5	546.1	547.7	549.3	550.9	552.5	554.0	555.6	557.2
22	558.8	560.4	562.0	563.6	565.2	566.7	568.3	569.9	571.5	573.1	574.7	576.3	577.9	579.4	581.0	582.6
23	584.2	585.8	587.4	589.0	590.6	592.1	593.7	595.3	596.9	598.5	600.1	601.7	603.3	604.8	606.4	608.0
24	609.6	611.2	612.8	614.4	616.0	617.5	619.1	620.7	622.3	623.9	625.5	627.1	628.7	630.2	631.8	633.4

Conversion of inches and fractions to millimeters

1 psi = 0,0689 bar

1 bar = 14,504 psi



Conversion between "pounds per square inch (psi)" and "bar"

POK, its name is a story...

In the nineteenth century, my great-grandfather founded the National Office of meteorology in France. His knowledge of the climate led him to choose Saint Cast in Brittany for his holidays. He built a family home beside a large sandy beach. For a young boy, this idyllic location offers only the beach and the sea to pass the time.

For my tenth birthday my father gave me a sailboat. You should know that in Saint Cast, two kinds of sailors face the sea, one of the roughest in the world, with swirling winds, a coastline indented with tidal elevations of 15 meters, and currents that reach 5 knots: fishermen and yachtsmen.

Fishermen painted the name on their boat, yachtsmen inscribed the name of their vessel in copper letters: very expensive for a little boy with no income. The Breton (a Celtic language related to Gaelic) dictionary provided me with a three letter name that was sound, vigorous and ready to brave the marine elements: POK.

My sailboat, the POK, sailed faithfully, never tipping or sinking. Therefore, when I created my company, naming it after my boat seemed a good choice for luck in the future.

POK!, I forgot to tell you, means "kiss" in Breton. A kiss that brings smiles, joy and confidence in those one meets.

Bruno GRANDPIERRE



WWW.POK-USA.COM



INFO@POK-USA.COM



FORUM LLC
OFFICIAL DEALER