

CATALOG NO.205

HIGH PERFORMANCE FIRE FIGHTING EQUIPMENT





Style 933

Wireless Remote Controlled Monitor
(See page53)



Style 625

Ground Oscillating Monitor
(See page50)



Style 955

Wireless Remote Controlled Monitor
(See page53)



Style 916

Oscillating Mechanism
(See page51)



Style 956

Electric Riser for Remote Control Monitor
(See page54)



Style 366 - BCSP

Marine Nozzle with Lockable Flow Rate
(See page23)



Style 266

Medium Expansion Foam Aspirating Tube
(See page27)



HIGH PERFORMANCE

Fire Fighting Equipment

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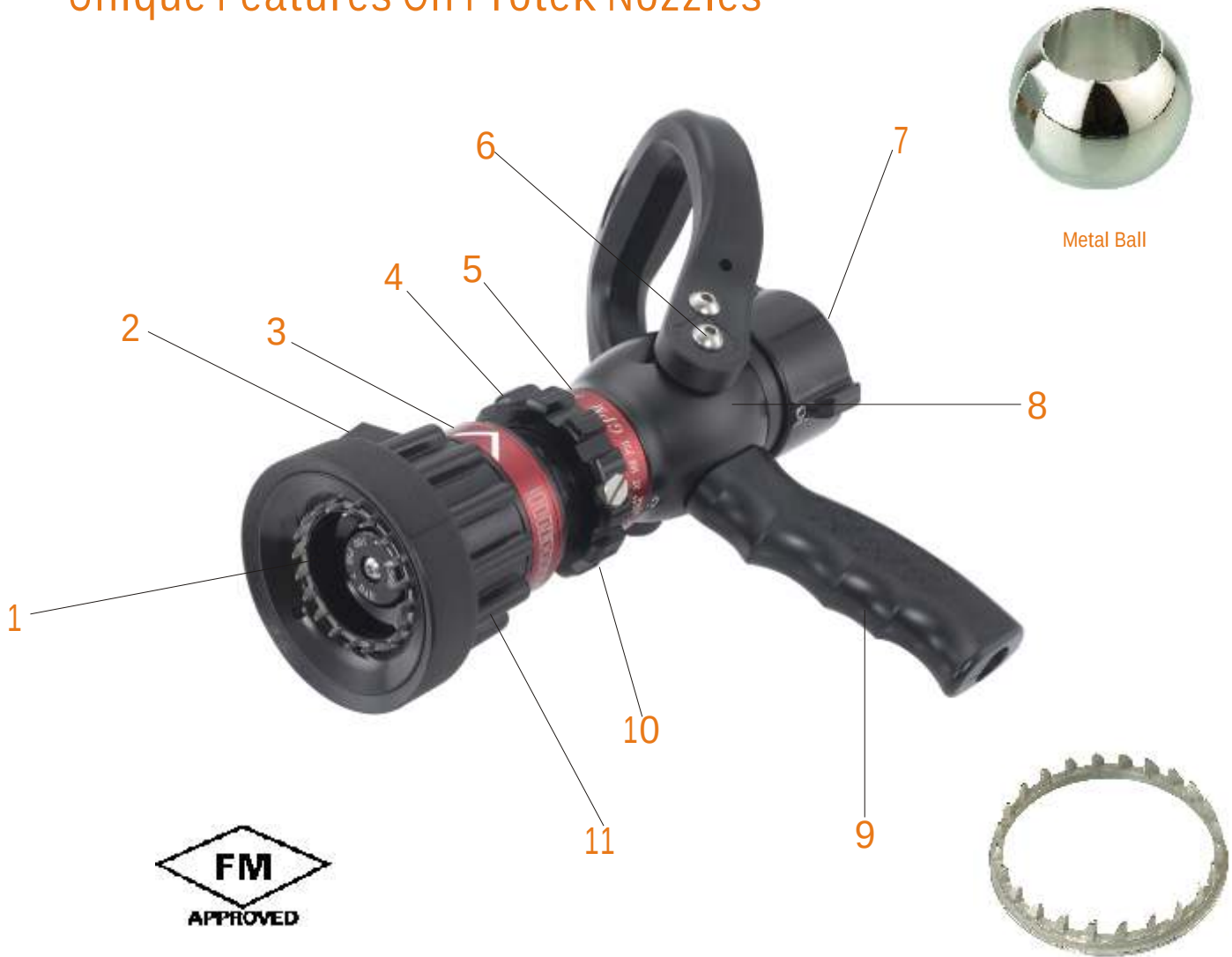
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Unique Features On Protek Nozzles



1. 316 stainless steel spinning teeth ensure corrosion resistance and durability
2. Raised lug for flashover fog setting
3. Laser etched anodized indicating bands for long life and easy use. (No stick labels to fade or come loose)
4. Large metal flow select ring (Easy to change flow setting even with a wet glove)
5. Flush without changing pattern or shutting down
6. New improved handle with two reinforced metal pieces on each side to ensure breaking free
7. Stainless steel inlet screen catches solid before they enter nozzle (Only things that gets through can be flushed without shutting down)
8. Heavy duty chrome plated metal shutoff balls ensure a smooth action and long dependable service life
9. Ergonomic shaped pistol grip for comfort. Pistol grip standard on all models. (Also available in various colors)
10. Each nozzle etched with a unique series number aids identification, tracks manufacturing date and warranty
11. Flow pattern detentes gives positive positioning

SELECTABLE GALLONAGE NOZZLES

- Constant flow select galloabge nozzle with multiple flow settings
- Selected flow remains constant regardless of pattern change
- Multiple pattern detents for positive positioning of pattern
- Combination of fog and straight stream
- Flush without shutting down
- Superb wide fog pattern for optimum personal protection
- Low through life maintenance due to the use of top quality materials
- Excellence performance at pressure as low as 50 PSI (3.5 bar)
- New reinforced handles /pistol grips available in a range of colors
- Conforms to all aspects of latest NFPA 1964 (Spray Nozzles, Shutoff and Tips)
- Standard optimum operating pressure 100 PSI (7bar) , Other options 75 PSI (5 bar) or 87 PSI (6 bar)



Style 360, 361,362



360

Selectable Gallonage Nozzle With Pistol Grip
New Raised bumper lug for pattern identification
5 - 10 - 24 - 40 GPM (19 - 37 - 90 - 150 LPM)
1" or 1-1/2" Inlet
For high pressure application up to 580 PSI (40 bar)
Use Foam Tube Style #210
Service Kit #1000

360 - TO Tip Only

5 - 10 - 24 - 40 GPM (19 - 37 - 90 - 150 LPM)

361

Selectable Gallonage Nozzle With Pistol Grip
13 - 25 - 40 - 60 GPM (19 - 37 - 90 - 150 LPM)

362

Selectable Gallonage Nozzle With Pistol Grip
12 - 23 - 30 GPM (50 - 90 - 115 LPM)

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
360	1"(25mm)	7.4"(190mm)	2.3(1.1kg)	5-10-24-40	19-37-90-150
360-TO	1"(25mm)	5.5"(140mm)	1.6(0.7kg)	5-10-24-40	19-37-90-150
361	1"(25mm)	7.4"(190mm)	2.3(1.1kg)	13-25-40-60	50-100-150-230
362	1"(25mm)	7.4"(190mm)	2.3(1.1kg)	12-23-30	50-90-115

SELECTABLE GALLONAGE NOZZLES

366

Selectable Gallonage Nozzle with Pistol Grip
 30 - 60 - 95 - 125 GPM (115 - 230 - 360 - 475 LPM)
 Use Foam Tube Style #213
 Service Kit #1001



Style 366

366 - TO

Tip Only
 30 - 60 - 95 - 125 GPM



Style 366 - TO

366-B A

Breakapart Nozzle



Style 366 - BA

366 - BI

Nozzle with Integrated 2 - 1/2" Inst. Male



Style 366 - BI

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
366	1-1/2"(38mm)	9"(228mm)	3.9(1.7kg)	30-60-95-125	115-230-360-475
366-TO	1-1/2"(38mm)	6.3"(160mm)	2.2(1kg)	30-60-95-125	115-230-360-475
366-BA	1-1/2"(38mm)	12.4"(315mm)	4.4(2kg)	30-60-95-125	115-230-360-475
366-BI	2-1/2"(65mm)	12.6"(320mm)	4.4(2kg)	30-60-95-125	115-230-360-475

SELECTABLE GALLONAGE NOZZLES



Style 367



367

Mid - Range Selectable Gallonage Nozzle With Pistol Grip
95 - 125 - 150 - 200 GPM (360 - 475 - 550 - 750 LPM)
Use Foam Tube Style #215
Service Kit #1002

367 - BA

Breakapart Nozzle

367 - TO

Tip Only

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
367	1-1/2"(38mm)	10.2"(259mm)	5.7(2.6kg)	95-125-150-200	360-475-550-750
367-TO	1-1/2"(38mm)	7.1"(180mm)	3.3(1.5kg)	95-125-150-200	360-475-550-750
367-BA	1-1/2"(38mm)	13.1"(332mm)	6.3(2.9kh)	95-125-150-200	360-475-550-750
367-BI	2-1/2"(65mm)	13.8"(350mm)	6.3(2.9kg)	95-125-150-200	360-475-550-750



Style 368



368

Selectable Gallonage Nozzle With Pistol Grip
95 - 125 - 150 - 200 - 250 GPM
(360 - 475 - 550 - 750 - 950 LPM)
Use Foam Tube #215
Service Kit #1002

SELECTABLE GALLONAGE NOZZLES

368 - TO

Tip Only



Style 368 - TO

368 - TP

Selectable Gallonage Playpipe Combination
Tip with Playpipe
Combination of #368 - TO plus #130 Playpipe
Service Kit #1002



Style 368 - TP

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
368	2-1/2"(65mm)	11"(279mm)	6.3(2.8Kg)	95-125-150-200-250	360-475-550-750-950
368-TO	1-1/2"(38mm)	7.1"(180mm)	3.2(1.5Kg)	95-125-150-200-250	360-475-550-750-950
368-BA	2-1/2"(65mm)	13"(330mm)	6.3(2.8Kg)	95-125-150-200-250	360-475-550-750-950
368-BI	2-1/2"(65mm)	13.7"(350mm)	6.3(2.8Kg)	95-125-150-200-250	360-475-550-750-950
368-TP	2-1/2"(65mm)	16.8"(426mm)	9.5(4.3Kg)	95-125-150-200-250	360-475-550-750-950

SELECTABLE GALLONAGE NOZZLES



Style 369



369

Wide - Range Selectable Gallonage Nozzle With Pistol Grip
 30 - 60 - 95 - 125 - 150 - 200 PGM
 (115 - 230 - 360 - 475 - 550 - 750 LPM)
 1 - 1/2" Inlet (Other size available)
 Use Foam Tube #215
 Service Kit #1002

369 - TO Tip Only

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
369	1-1/2"(38mm)	10.2"(259mm)	5.7(2.6Kg)	30-60-95-125-150-200	115-230-360-475-550-750
369-TO	1-1/2"(38mm)	7"(178mm)	3.2(1.5Kg)	30-60-95-125-150-200	115-230-360-475-550-750
369-BA	1-1/2"(38mm)	13"(330mm)	6.2(2.8Kg)	30-60-95-125-150-200	115-230-360-475-550-750



Style 370

370

Selectable Gallonage Nozzle With Pistol Grip
 75 - 100 - 125 - 150 GPM (280 - 380 - 475 - 570 LPM)
 Use Foam Tube #213
 Service Kit #1001

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
370	1-1/2"(38mm)	9"(290mm)	3.9(1.8Kg)	75-100-125-150	280-380-475-570



Style 360 - BC

360 - BC

Selectable Gallonage Nozzle With Pistol Grip
 Bronze Construction
 5 - 10 - 24 - 40 GPM (19 - 37 - 90 - 150 LPM)
 Use Foam Tube Style 211
 Service Kit#1000 - BC

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
360-BC	1"(25mm)	7.4"(190mm)	5.3(2.4Kg)	5-10-24-40	19-37-90-150

SELECTABLE GALLONAGE NOZZLES

366 - BC

Selectable Gallonage Nozzle With Pistol Grip
 Bronze Construction
 30 - 60 - 95 - 125 GPM (115 - 230 - 360 - 475 LPM)
 Use Foam Tube Style #212
 Service Kit #1001 - BC



Style 366 - BC

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
366-BC	1-1/2"(38mm)	9"(228mm)	8.3(3.7Kg)	30-60-95-125	115-230-360-475

367 - BC

Mid - Range Selectable Gallonage Nozzle With Pistol Grip
 Bronze Construction
 95 - 125 - 150 - 200 GPM (360 - 475 - 550 - 750 LPM)
 Use Foam Tube Style #214
 Service Kit #1002 - BC



Style 367 - BC

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
367-BC	1-1/2"(38mm)	10.2"(260mm)	12.7(5.8Kg)	95-125-150-200	360-475-550-750

368 - BC

Selectable Gallonage Nozzle With Pistol Grip
 Bronze Construction
 95 - 125 - 150 - 200 - 250 GPM
 (360 - 475 - 550 - 750 - 950 LPM)
 Use Foam Tube #214
 Service Kit #1002 - BC



Style 368 - BC

368 - BCTP

Selectable Gallonage Playpipe Combination
 Tip with Playpipe
 Bronze Construction
 Combination of #368 - BCTO plus #130 - BC Playpipe
 Service Kit #1002 - BC



Style 368 - BCTP

Style	Inlet Size	Length	Weight Lbs(Kgs)	Flow Settings	
				GPM	LPM
368-BC	2-1/2"(65mm)	11"(280mm)	14.7(6.7Kg)	95-125-150-200-250	360-475-550-750-950
368-BCTP	2-1/2"(65mm)	17"(431mm)	21(9.5Kg)	95-125-150-200-250	360-475-550-750-950

- EN 15182 - 2 Type 3 and DIN 14367 Compliant
(Constant selectable gallonage nozzle with multiple flow settings)
- One click to flashover pattern position. Raised lug on the bumper for the floslover fog pattern
- Maximum flow position indicator
- Exceptional lightweight and compact
- Stainless steel spinning teeth ensure corrosion resistance and durability
- New improved handle with two reinforced metal pieces to ensure breakage free
- Heavy duty chrome plated metal shutoff ball ensures a smooth action and long dependable service life
- Superb wide fog pattern for optimum personal protection or optional fixed teeth for dense fog
- Ergonomic shape and designed pistol grip for comfort



Style 2360 & 2361



Style 2365 & 2366



Style 2368

Style	Flow Rates	Inlet	Weight	Low Expansion Foam Tube	Medium Expansion Foam Tube
#2360	20-40-100-150 L/min @6 bar	1" BSP F	1.2kg	#210	#225
#2361	50-100-150-230 L/min @6 bar	1" BSP F	1.2kg	#210	#225
#2365	70-130-230-400 L/min @6 bar	1.5" BSP F BS 336 Inst.	1.6kg	#213	#226
#2366	100-250-350-500 L/min @6 bar	1.5" BSP F BS 336 Inst.	1.6kg	#213	#226
#2368	285-500-600-800-950 L/min @6 bar	2.5" BSP F BS 336 Inst.	2.5kg	#215	#227
#2368-TP	285-500-600-800-950 L/min @6 bar	2.5" BSP F BS 336 Inst.	4.2kg	#215	#227

Automatic Fixed Pressure Nozzles



- Automatically adjust to changes in flow and pressure
- Maintain a consistent operating pressure over a wide range of flows
- Excellent performance at maximum flows
- Choice of ball valve control or slide valve
- Combination of fog and straight stream
- Fixed molded teeth or stainless steel spinning teeth
- Low through life maintenance due to the use of quality materials
- Multiple pattern detents for positive positioning of pattern
- Conforms to all aspects of NFPA 1964 (Spray nozzles, shutoff and tips)

310

1" Automatic Nozzle with pistol grip
 10 - 75 GPM (40 - 285 LPM)
 Ball valve control
 Spinning teeth
 Foam Tube #212
 Service Kit 1007



Style 311

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
310	1"(25mm)	9.1"(229mm)	3.7(1.7Kg)	10-75	40-285

311

1 - 1/2" Automatic Nozzle with pistol grip
 60 - 125 GPM (230 - 475 LPM)
 Ball valve control
 Spinning Teeth
 Foam Tube #212
 Service Kit 1007



Style 311

Style	Inlet Size	Length	Weight Lbs(Kgs)	Flow Settings	
				GPM	LPM
311	1-1/2"(38mm)	9.2"(234mm)	3.7(1.7Kg)	60-125	230-475



Style 312

312

Mid Range Automatic Nozzle with pistol grip
60 - 200 GPM (230 - 750 LPM)
Ball valve control
Spinning Teeth
Foam Tube # 214
Service Kit 1008

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
312	1-1/2" (38mm)	10.6" (269mm)	5.6(2.5Kg)	60-200	230-750



Style 314

314

2 - 1/2" Automatic Nozzle with pistol grip
75 - 325 GPM (280 - 1,230 LPM)
Ball valve control
Spinning teeth
Foam Tube #217
Service Kit 1009



Style 314 - TP

314 - TP

2 - 1/2" Automatic Nozzle with Playpipe
Tip with playpipe
75 - 325 GPM (280 - 1,230 LPM)
Ball valve control
Spinning teeth
Service Kit 1009

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
314	2-1/2" (65mm)	12.2" (309mm)	8.0(3.6Kg)	75-325	280-1230
314-TP	2-1/2" (65mm)	17.1" (435mm)	9.9(4.5Kg)	75-325	280-1230

AUTOMATIC FIXED PRESSURE NOZZLES

321

1" Automatic Nozzle with pistol grip
 10 - 125 GPM (40 - 475LPM)
 Slide valve control
 Fixed teeth
 Foam Tube #216
 Service kit 1010



Style 321

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
321	1"(25mm)	8.6"(220mm)	3.1(1.4Kg)	10-125	40-475

322

1 - 1/2" Automatic Nozzle with pistol grip
 10 - 125 GPM (40 - 475 LPM)
 Slide valve control
 Fixed teeth
 Foam Tube #216
 Service Kit 1010



Style 322

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
322	1-1/2"(38mm)	9.0"(230mm)	3.2(1.4Kg)	10-125	40-475

322 - SP

1 - 1/2" Automatic Nozzle With pistol grip
 10 - 125 GPM (40 - 475 LPM)
 Lockable spray angle of 40° which can be reset to 110°
 Slide valve control
 Foam Tube #216
 Service Kit 1010



Style 322 - SP

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
322-SP	1-1/2"(38mm)	9.0"(230mm)	3.2(1.4Kg)	10-125	40-475



Style 323

323

Mid Range Automatic Nozzle with pistol grip
70 - 200 GPM (265 - 750 LPM)
Slide valve control
Foam Tube #218
Service Kit 1011



Style 323 - DP

323 - DP

Mid Range Dual Pressure Nozzle With pistol grip
70 - 200 GPM (265 - 750 LPM)
Slide valve control
Dual pressure settings
Foam Tube #218
Service Kit 1011

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
323	1-1/2"(38mm)	11"(280mm)	5.1(2.3Kg)	70-200	265-750



Style 324

324

2 - 1/2" Automatic Nozzle with pistol grip
50 - 350 GPM (190 - 1,325 LPM)
Fixed teeth
Foam Tube #219
Service Kit 1012

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
324	2-1/2"(65mm)	12.6"(320mm)	7.5(3.43Kg)	50-350	190-1325



Style 324 - TP

324 - TP

2 - 1/2" Automatic Nozzle with Playpipe
Tip with playpipe
50 - 350 GPM (190 - 1,325 LPM)
Slide valve control
Fixed teeth
Service Kit 1012

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
324-TP	2-1/2"(65mm)	15"(381mm)	10.6(4.8Kg)	50-350	190-1325

Constant Gallonage Nozzles

- Tough durable design, simple and easy to operate
- Constant single flow
- Combination of fog and straight stream
- Superb wide fog pattern for optimum personal protection
- Flow remains constant regardless of pattern change
- Multiple pattern detents for positive positioning of pattern
- Excellent performance at pressure as little as 3.5 bar (50 PSI)
- Standard optimum operating pressure 7 bar (100 psi), other options 5 bar (75 psi) or 6 bar (87psi)
- Gallonage permanently laser engraved on the baffle and band
- Conforms to all aspects of NFPA 1964 (Spray nozzles, shutoff and tips)



371

Constant Gallonage Nozzle with pistol grip
 13, 25, 40 or 60 GPM
 (50, 100, 150, or 230 LPM)
 Foam Tube #210
 Service Kit 1000



Style 371

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
371	1"(25mm)	7.1"(180mm)	2.1(0.9Kg)	13,25,40 or 60	50,100,150 or 230





Style 372

372

Constant Gallonage Nozzle with pistol grip
60, 95 or 125 GPM (230, 360 or 475 LPM)

Foam Tube #212

Service Kit 1001

372 - TO

Tip Only

60, 95 or 125 GPM

(230, 360, or 475 LPM)

372 - BA

Break Apart Nozzle

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
372	1-1/2" (38mm)	8.5" (216mm)	3.6 (1.6Kg)	60, 95 or 125	230, 360 or 475
372-TO	1-1/2" (38mm)	5.9" (150mm)	1.9 (0.8Kg)	60, 95 or 125	230, 360 or 475
372-BA	1-1/2" (38mm)	12" (305mm)	4.2 (1.9Kg)	60, 95 or 125	230, 360 or 475



Style 373

373

Mid - Range Constant Gallonage Nozzle with pistol grip
150, 175, 200 or 250 GPM (550, 660, 750, or 950 LPM)

Foam Tube #214

Service Kit 1002

373 - TO

Tip Only

373 - BA

Mid - Range Breakapart Nozzle

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
373	1-1/2" (38mm)	10.2" (259mm)	5.7 (2.6Kg)	150, 175, 200 or 250	550, 660, 750 or 950
373-TO	1-1/2" (38mm)	7.4" (188mm)	3.3 (1.5Kg)	150, 175, 200 or 250	550, 660, 750 or 950
373-BA	1-1/2" (38mm)	12.8" (325mm)	6.4 (2.9Kg)	150, 175, 200 or 250	550, 660, 750 or 950

CONSTANT GALLONAGE NOZZLES

374

Constant Gallonage Nozzle with pistol grip
150,175,200 or 250 GPM (550,660,750 or 950 LPM)
Foam Tube #214
Service Kit 1002



Style 374

374 - TP

Constant Gallonage Playpipe Combination
Tip with playpipe
Combination of #374 - TO plus #130 playpipe
Service Kit 1002



Style 374 - TP

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
374	2-1/2" (65mm)	11" (279mm)	6.2(2.8Kg)	150,175,200 or 250	550,660,750 or 950
374TP	2-1/2" (65mm)	16.7" (424mm)	9.5(4.3Kg)	150,175,200 or 250	550,660,750 or 950

375

Constant Gallonage Nozzle With Pistol Grip
200,250,300 GPM
(750,950,1140 LPM)
Service Kit 1003



Style 375

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
375	2-1/2" (65mm)	11.8" (300mm)	7.5(3.4Kg)	200,250 or 300	750,950 or 1140

CONSTANT GALLONAGE NOZZLES



Style 372 - BC



372 - BC

Industrial Nozzle
Bronze Construction with pistol grip
60, 95 or 125 GPM
(230, 360, or 475 LPM)
Foam Tube #212
Service Kit 1001 - BC

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
372-BC	1-1/2" (38mm)	8.5" (216mm)	7.5(3.4Kg)	60, 90 or 125	230, 360 or 475



Style 373 - BC

373 - BC

Industrial Nozzle
Bronze Construction with pistol grip
150, 200 or 250 GPM
Service Kit 1002 - BC

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
373-BC	1-1/2" (38mm)	9.8" (249mm)	12.7(5.8Kg)	150,175,200 or 250	550,660,750 or 950



Style 374 - BC



Style 374 - BCTP

374 - BC

Industrial Nozzle
Bronze construction with pistol grip
150, 175, 200 or 250 GPM
(550, 660, 750 or 950 LPM)
Foam Tube #214
Service Kit 1002 - BC

374 - BCTP

Constant Gallonage Playpipe Combination
Bronze construction
Combination of #374 - BC Tip plus Playpipe
150, 175, 200 or 250 GPM
(550, 660, 750 or 950 LPM)
Service Kit #1002 - BCTP

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
374-BC	2-1/2" (65mm)	11" (279mm)	14.7(6.7Kg)	150,175,200 or 250	550,660,750 or 950
374-BCTP	2-1/2" (65mm)	17" (432mm)	21(9.5Kg)	150,175,200 or 250	550,660,750 or 950

HIGH PRESSURE NOZZLES

302

High Pressure Nozzle

For high pressure application up to 48 bar (700 psi)

Compact and lightweight

Trigger shutoff automatically shuts off flow when released

Additional pistol grip gives excellent control even at high working pressures

50 - 90 - 115 LPM (12 - 23 - 30 GPM)

Other flows available upon request

Foam Tube # 211



Style 302

303

High Pressure Nozzle

For high pressure application up to 48 bar (700 psi)

Compact and lightweight

Trigger shutoff automatically shuts off flow when release

50 - 90 - 115 LPM (12 - 23 - 30 GPM)

Other flows available upon request

Foam Tube # 211



Style 303

104

104 Trigger Shutoff



Style 104

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
302	1" (25mm)	19.7" (500mm)	4.6(2.1Kg)	5-10-24-40	19-37-90-150
303	1" (25mm)	13" (330mm)	3.7(1.7Kg)	5-10-24-40	19-37-90-150

305

High Pressure Nozzle

Suitable for single hand operation

Chrome plated bronze and stainless steel construction

For operating pressure from 10 bar to 50 bar

From shutoff, to protecting fog, to straight jet

Trigger can be locked in any of five positions



Style 305

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
305	1" (25mm)	16" (406mm)	5.5(2.5Kg)	17or 30 @145psi	65or 115@10bar



Style 379

379

Electric Nozzle

Designed to be used on Class "C" Hazards
Safe to use at distances greater than 10' from electrical apparatus

No Straight stream, either wide or narrow fog settings only

Multi flow settings

30 - 60 - 95 - 125 GPM

(115 - 230 - 360 - 475 LPM)

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
379	1-1/2" (38mm)	9" (228mm)	3.9(1.7Kg)	30-60-95-125	115-230-360-475

Style 308 - 3



Style 308 - 6

308

Piercing Applicator

Hardened tool steel point

Quick penetration of masonry walls, mobile homes and cars

Provides rapid attack of hidden trouble spots

Impinging jets for a dense fog pattern

125 GPM (475 LPM)

Ideal for use with Class A and B foams

3' or 6' lengths

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
308-3	1-1/2" (38mm)	37" (940mm)	10.1(4.6Kg)	125	475
308-6	1-1/2" (38mm)	72.4" (1838mm)	15.8(7.2Kg)	125	475



Style 392

392

Deicing Nozzle

Metal ball and heat resistant EPDM seats

Suitable for Type 1 and Type 4 deicing fluids

Low turbulence design

Flushing capability

13 - 25 - 40 - 60 GPM (50 - 100 - 150 - 230 LPM)

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
392	1" (25mm)	7.4" (190mm)	2.3(1.1Kg)	13-25-40-60	50-100-150-230



Style 814

814

Industrial Fog Nozzle

Heavy duty inexpensive fog straight stream

Twist shutoff

95 GPM (360 LPM)

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
814	1-1/2" (38mm)	3.3" (84mm)	1.6(0.7Kg)	95	360

Marine Nozzles

- These nozzles are designed and manufactured for firefighting in the harsh marine environment.
- Meets the performance requirement of US Coast Guard and US MIL - N - 24408, Type 1.
- All of these nozzles are ideal for the application of AFFF Foam.

372 - BC

Shipboard Nozzle

Bronze Construction

US Coast Guard Approval Number: 162.027/17/0

95 or 125 GPM (360 or 475 LPM)

1 - 1/2" Inlet

Optional foam tube #212

Service Kit: 1001 - BC



Style 372 - BC

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
372-BC	1-1/2"(38mm)	8.5"(216mm)	7.5(3.4Kg)	60,95 or 125	230,360 or 475

374 - BC

Shipboard Nozzle

Bronze construction

200 or 250 GPM (750 or 950 LPM)

1 - 1/2" or 2 - 1/2" Inlet

Optional foam tube #214

Service Kit: 1002 - BC



Style 374 - BC

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
374-BC	2-1/2"(65mm)	11"(279mm)	14.7(6.7Kg)	150,175,200 or 250	500,660,750 or 950





382

Coast Guard Nozzle
Bronze Construction
US Coast Guard Approval Number: 162.027/18/0
Meets US Coast Guard specifications for fighting fires with drafted water
Combination fog and straight stream
55 GPM (210 LPM) at orifice size of 5/8"
Non clogging design
Applicators available in sizes:
4' long, 60° bend (Style 385)
6' long, 90° bend (Style 387)

Style	Inlet Size	Length	Weight Lbs(Kg)	Fog Tip	Flow Settings	
					GPM	LPM
382	1-1/2"(38mm)	9.4"(239mm)	7.9(3.6Kg)	5/8"	55	208
385	1-1/2"(38mm)	4"(1219mm)	5(2.2Kg)	N/A	54	204
386	1-1/2"(38mm)	6"(1828mm)	6(2.7Kg)	N/A	54	204

366 - BC

Selectable Gallonage Nozzle with Pistol Grip
Bronze Construction
30 - 60 - 95 - 125 GPM (115 - 230 - 360 - 475 LPM)
Use Foam Tube Style #213
Service Kit #1001 - BC



Style 366 - BC



Style 366 - BCSP
Lockable flow Rate

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
366-BC	1-1/2"(38mm)	9"(228mm)	8.3(3.7Kg)	30-60-95-125	115-230-360-475

Shockless Nozzles

- Constant flow nozzle with multiple pattern settings
- Tough, corrosion-resistant design for harsh industrial and marine environment
- Twist shutoff control (no ball valve) reduces the jet reaction of initial discharge
- Simple operation via the following settings: Off - Fog - Jet - Fog - Off
- Wide 120° fog pattern gives optimum personal protection
- Durable bronze construction

387 - BC

Shockless Nozzle
95 GPM (Standard 360 LPM)
Other flows available
1 - 1/2" threaded or 2 - 1/2" BIM



Style 387 - BC

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
387-BC	1-1/2"(38mm) or 2-1/2"(65mm)	8.8"(223mm)	6.8(3.1Kg)	95	360

388 - BC

Shockless Nozzle
200 GPM (Standard 750 LPM)
Other flows available
1 - 1/2", 2 - 1/2" threaded or 2 - 1/2" BIM



Style 388 - BC

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
388-BC	1-1/2"(38mm) or 2-1/2"(65mm)	10.6"(269mm)	12.1(5.5Kg)	200	750



Style 307

307

Wildland/Forestry Nozzle

Quarter turn operation gives a fast pattern change

Variable flow settings: 8 - 15 - 30 GPM
(30 - 60 - 115 LPM)

allows for efficient use of water when
"blacking out"

Twist action control flow setting and shutoff

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
307	1"(25mm)	5.5"(140mm)	1.5(0.7Kg)	8-15-30	30-60-115



Style 309

309

Wildland/Forestry Nozzle

Simple easy to use design and tough rugged construction

Various flow settings: 10 - 30 GPM (37 - 115 LPM)

Operation of the nozzle is via the flowing setting:
off, low flow/

straight stream, low flow/narrow fog, high flow/
straight stream, and high flow/narrow fog

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
309	1"(25mm)	3.5"(89mm)	0.7(0.3Kg)	10-30	37-115



Style 320

320

Flashover Nozzle

Designed for Flashover operation

Durable valve design suitable for continuous quick open/close

One click to Flashover position. Raised lug on the bumper
for Flashover fog pattern identification

Constant flow select gallonage with multiple flow settings

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
320	1-1/2"(38mm)	9.3"(236mm)	3.5(1.6Kg)	30-60-95-125	115-230-360-475

Foam Aspirating Tubes

- Designed for quick and easy attachment to Protek nozzles
- Enhance foam quality and stability
- Compatible with all foam concentrates
- Expansion rates of up to 12:1
- Weight :2.6lbs(1.2kg)



210

Foam Aspirating Tube
Fits 360, 361 & 362 nozzles

211

Foam Aspirating Tube
Fits 371 nozzles

212

Foam Aspirating Tube
Fits 332 & 372 nozzles

213

Foam Aspirating Tube
Fits 366 nozzles

214

Foam Aspirating Tube
Fits 312, 333, 373, 373-BC, 374, & 374-BC

215

Foam Aspirating Tube
Fits 367, 368 & 369 nozzles

216

Foam Aspirating Tube
Fits 322 nozzle

217

Foam Aspirating Tube
Fits 314 nozzles

218

Foam Aspirating Tube
Fits 323 nozzle

219

Foam Aspirating Tube
Fits 324 nozzles

Optional Nozzle Base



Style 366 - BI



Style 366 - ST



Style 366 - JP



Style 366 - FT

All Protek nozzles that are offered with free swivel based are Also available with 1 - 1/2" (38mm) add 2 - 1/2" (65mm) British Instantaneous connector as well as either a 1 - 1/2" or 2 - 1/2" BSP threaded male or female ready for attaching Storz adapters. Now, Japanese Machino adapters are also available for attaching to all Protek nozzles.

Molded fixed teeth are available. This one piece molded fixed teeth ring replaces the spinning teeth and retaining rings that comes as standard supply

FOAM ASPIRATING TUBES

Medium Expansion Foam Aspirating Tube

225,226,227



Style 225,226,227

- Compact, lightweight and rugged medium - expansion foam aspirating attachment for Protek handline nozzles
- Stainless steel construction for long lasting serving life
- Can easily and quickly attach to handline nozzles
- Can produce a thick foam blanket with the nozzle pattern in a wide fog position or lower expansion foam for better reach with the straight stream pattern
- Wide expansion ratios up to 50: 1
- Maximum flow: 250 GPM (950 LPM)
- Maximum pressure: 100 PSI (7 bar)
- Weight: 3 lbs (1.5 Kg)
- Length: 11"

Style	Nozzle
225	Selectable Nozzle Style #360, 361, 362
226	Selectable Nozzle Style #366
227	Selectable Nozzle Style #367, 368, 369



Shown on Style #366

Pistol Grips & Handles

Color code your nozzles. Eight colors are available for shutoff Handles and Pistol Grips on most Protek nozzles at no extra charge. Simply specify your color preference at the time of ordering, or order separately for easy retrofitting.

Available Colors:

- * Blue
- * Green
- * White
- * Black
- * Orange
- * Red
- * Gray
- * Yellow



Unless specified at the time of ordering, nozzles will be shipped with Black Handles and Pistol Grips.

Dual-Agent Nozzle



Style 227 & Style 229



- The nozzle is designed to discharge water/AFFF foam solution and dry chemical extinguishing agent
- Side by side valve handles allow AFFF and dry chemical agent discharge separately or simultaneously
- The water/AFFF nozzle is ball valve controlled for either 60 GPM (Style #277) at 100 PSI or 100 GPM at 100 PSI (Style#279)
- The dry chemical nozzle is designed for an application rates of 5 kg per second
- Constructed from hard coated anodized aluminum for corrosion and wear resistance and have all features of Protek handline nozzles.
- The discharge end of dry chemical nozzle is equipped with straightening fin for maximum reach

STYLE	Flow (AFFF/Water) At 100 PSI	Range (AFFF/Water) At 100 PSI	Water Inlet	Dry Chemical Inlet	Dry Chemical Discharge
277	60 GPM	105 FEET	1"	1"NPT	5kg/Per Sec
279	100 GPM	120 FEET	1" - 1/2"	1"NPT	5 kg/Per Sec

280

Dry Chemical Nozzle
Slide valve control
5 kg per second application rate
Effective reach: 20m(65 feet)
1" inlet

Style	Inlet Size	Length	Weight Lbs(Kg)	Dry Chemical Discharge
280	1" or 1-1/2"	7.8"(200mm)	2.2(1.0Kg)	5 kg/Per Sec.



Style 280

Self Educing Nozzle

- Built in eductor which draws in foam concentrate when water is passed through the nozzle
- Simple and easy to use. One firefighter is able to produce foam. Any fire water stream becomes foam enhanced.
- Fast setup. No in - line eductore to operate
- Operate effectively as low as 50 PSI (3.5 bar)
- Foam Capability: AFFF, AR - AFFF, Class A and Haz Mat foams
- Each Nozzle is supplied with 6' (2 m) clear pick up hose and ball check valve to prevent backflow into the foam concentrate



Style 236



Optional Style #212 foam tube

Style	Inlet Size	Flow Rate	Foam Proportioning	Effective Reach	weight Lbs(Kg)
236	1 - 1/2" or 2 - 1/2"	95GPM (360LPM)	3%	120 Feet (36m)	8.1 Lbs (3.7kg)

Dual-Flow Foam Nozzle

CE
0062

- Selectable Dual Flow: 60 gpm(230 lpm) and 125 gpm(475 lpm)
- Adjust flows by turning the flow index ring
- Trigger Shutoff
- Variable foam spreader enables change of foam application pattern
- Stainless Steel barrel and spreader
- Expansion rate up to 15:1 with AFFF
- Additional pistol grip for excellent control
- Inlet options: 1 - 1/2" threaded or 2 - 1/2" British Instantaneous



Style 238

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
238	1-1/2" threaded or 2-1/2" BIM	22.8" (580mm)	9.5 (4.3Kg)	60 & 125	230 & 475

AFFF	Flow Rate (LPM)	Pressure	Foam Expansion Rate	Flat Fan Spray Footprint	Range (Meters)
230	230 LPM	7 BAR	1:15	10 M X 5 M	16
475	475 LPM	7 BAR	1:15	12 M X 5 M	16



Style 372 - BC



372 - BC

Corrosion resistant all bronze nozzle
 Stainless steel spinning teeth
 FM approved
 Standard flow 360 lpm or optional flows of:
 60 GPM (230 LPM), 125 GPM (475 LPM)

Style	Inlet Size	Length	Weight Lbs(Kg)	Flow Settings	
				GPM	LPM
372-BC	1-1/2" (38mm)	8.5" (216mm)	7.5 (3.4Kg)	60, 90 or 125	230, 360 or 475

130

Playpipe
 Lightweight alloy
 Playpipe with shutoff
 1 - 3/8" shutoff waterway
 2 - 1/2" swivel female inlet X 1 - 1/2" male outlet



Style 130



Style 130 - BC

130 - BC

Playpipe
 Bronze construction

Style	Length	Weight Lbs(Kg)	Threads		Waterway Size
			Inlet Female	Outlet Male	
130	10.2" (260mm)	6.1" (2.8kg)	2-1/2" (65mm)	1-1/2" (38mm)	1-3/8" (35mm)
130-BC	10.2" (260mm)	12.5" (5.6kg)	2-1/2" (65mm)	1-1/2" (38mm)	1-3/8" (35mm)

132

Playpipe
 Lightweight alloy
 No shutoff
 2 - 1/2" swivel female inlet X 1 - 1/2" male outlet



Style 132

Style	Length	Weight Lbs(Kg)	Threads	
			Inlet Female	Outlet Male
132	10.2" (259mm)	4.4" (2Kg)	2-1/2" (65mm)	1-1/2" (38mm)

100

Ball Shutoff
 Lightweight alloy
 With pistol grip
 3/4" waterway
 1" swivel female inlet X 1" male outlet



Style 100

Style	Length	Weight Lbs(Kg)	Threads		Waterway Size	Pistol Grip
			Inlet Female	Outlet Male		
100	5.1" (130mm)	1.5 (0.7kg)	1" (25mm)	1" (25mm)	3/4" (19mm)	YES

PLAYPIPES & SHUTOFFS



Style 101

102

Ball Shutoff
 Lightweight alloy
 With pistol grip
 1-3/8" waterway
 1-1/2" or 2-1/2" swivel
 female inlet X 1-1/2" male outlet



Style 102

101

Ball Shutoff
 Lightweight alloy
 With pistol grip
 1" waterway
 1-1/2" swivel female
 inlet X 1-1/2" male outlet

103

Ball Shutoff
 Lightweight alloy
 With pistol grip
 1-1/2" waterway
 2-1/2" swivel female inlet X 1-1/2" male outlet



Style 103

Style	Length	Weight Lbs(Kg)	Threads		Waterway Size	Pistol Grip
			Inlet Female	Outlet Male		
101	6.7" (170mm)	2.2 (1kg)	1-1/2" (38mm)	1-1/2" (38mm)	1" (25mm)	YES
102	6.7" (170mm)	3.0 (1.4kg)	1-1/2" or 2-1/2" (38mm or 65mm)	1-1/2" (38mm)	1-3/8" (35mm)	YES
103	7.8" (200mm)	4.2 (1.9kg)	2-1/2" (65mm)	1-1/2" (38mm)	1-1/2" (38mm)	YES

102 - BC

Ball Shutoff
 Bronze construction
 1-3/8" waterway
 1-1/2" or 2-1/2" swivel
 female inlet X 1-1/2" male outlet



Style 102 - BC

101 - BC

Ball Shutoff
 Bronze construction
 1" waterway
 1-1/2" swivel female
 inlet X 1-1/2" male outlet



Style 101 - BC

Style	Length	Weight Lbs(Kg)	Threads		Waterway Size	Pistol Grip
			Inlet Female	Outlet Male		
101-BC	6.7" (170mm)	4.8 (2.2kg)	1-1/2" (38mm)	1-1/2" (38mm)	1" (25mm)	YES
102-BC	6.7" (170mm)	6.4 (2.9kg)	1-1/2" or 2-1/2" (38mm or 65mm)	1-1/2" (38mm)	1-3/8" (35mm)	YES

105

Handline Tip

1 - 1/2" base thread X 1 - 1/2" outlet thread
Refer to chart for discharge sizes

106

Plain Tip

1 - 1/2" inlet

112

Dual Stacked Tips

1 - 1/2" inlet

115

Triple Stacked Tips

1 - 1/2" Inlet

117

Plain Deluge Tip

2 - 1/2" Inlet

118

Quad Stacked Tips

2 - 1/2" Inlet

120

Quad Stacked Tips

2 - 1/2" Inlet



Style 105

Style 106

Style 112

Style 115

Style 117

Style 118
Style 120

Style	Length	Weight Lbs.(kg)	Orifices		Thread Sizes		
			Standard	Optional	Base	Middle	Tip
105	3" (76mm)	0.7 (0.3)	7/8" (22mm)	1/2", 5/8", 3/4", 15/16", 1", 1-1/8" (13, 16, 19, 24, 25, 29 mm)	1-1/2" (38mm)		1-1/2" (38mm)
106	5" (127mm)	0.7 (0.3)	1-3/8" (35mm)		1-1/2" (38mm)		
112	6.5" (165mm)	0.7 (0.3)	15/16" x 1/2" or 1-1/8" x 1/2" (25x13 or 28x13 mm)		1-1/2" (38mm)		1" (25mm)
115	8" (203mm)	1.0 (0.5)	1" x 1-1/8" x 1-1/4" (25x28x32 mm)		1-1/2" (38mm)	1-1/2" (38mm)	1-1/4" (32mm)
117	9" (229mm)	1.3 (0.6)	1-1/2" (38 mm)	1-1/4", 1-3/8", 1-3/4" (32, 35, 44mm)	2-1/2" (65mm)		
118	12.8" (325mm)	1.7 (0.8)	1" x 1-1/8" x 1-1/4" x 1-1/2" (25x28x32x38 mm)		2-1/2" (65mm)	2" (50mm)	1-1/2" (38mm)
120	12.8" (325mm)	1.7 (0.8)	1-3/8" x 1-1/2" x 1-3/4" x 2" (35x38x44x50mm)		2-1/2" (65mm)	2" (50mm)	1-1/2" (38mm)

SHOTTOFFS WITH TIPS

155

Shutoff with Tip

Combination of style 102 + 105

Shutoff waterway: 1 - 3/8"

Orifice size: 7/8" (standard)

Options: 1/2", 3/4", 15/16", 1" or 1-1/8"

1 - 1/2" female inlet x 1 - 1/2" male outlet



Style 155

Style	Length	Weight Lbs.(kg)	Orifices		Thread Sizes		
			Standard	Optional	Base	Middle	Tip
155	9.8" (249mm)	3.7 (1.7KG)	7/8" (22mm)	1/2", 3/4", 15/16", 1", 1-1/8" (13, 19, 24, 25, 29 mm)	1-1/2" (38mm)	1-1/2" (38mm)	1-3/8" (35mm)

162

Shutoff with Dual Stacked Tip

Combination of style 102+ 112

Shutoff waterway: 1 - 3/8"

Orifice size: 15/16" X 1/2"

1 - 1/2" inlet



Style 162

176

Shutoff with Tip

Combination of style 102 + 106

Shutoff waterway: 1 - 3/8"

Orifice size: 1 - 3/8"

2 - 1/2" or 1 - 1/2" inlet



Style 176

178

Playpipe with Stacked Tip

Combination of style 130 + 115

Shutoff waterway: 1 - 3/8"

Orifice sizes: 1" X 1-1/8" X 1-1/4"

2 - 1/2" inlet



Style 178

182

Playpipe with Stacked Tip

Combination of style 132 + 102 + 115

Shutoff waterway: 1 - 3/8"

Orifice sizes: 1" X 1-1/8" X 1-1/4"

2 - 1/2" inlet



Style 182

Style	Length	Weight Lbs(Kg)	Orifices	Inlet Size	Shutoff Waterway Size
162	11.4" (290mm)	3.7 (1.7KG)	15/16" X 1/2" (29X13mm)	1-1/2" (38mm)	1-3/8" (35mm)
176	10.2" (259mm)	3.5 (1.6KG)	1-3/8" (35mm)	1-1/2" or 2-1/2" (38 or 65mm)	1-3/8" (35mm)
178	13.4" (340mm)	7 (3.2KG)	1" X 1-1/8" X 1-1/4" (25X28X32mm)	2-1/2" (65mm)	1-3/8" (35mm)
182	23.6" (599mm)	8.4 (3.8KG)	1" X 1-1/8" X 1-1/4" (25X28X32mm)	2-1/2" (65mm)	1-3/8" (35mm)

111

Stream Shaper for Handline Nozzles
"built-in" vanes keep flow laminar
Improves reach and straight jet performance
1-1/2" female inlet X 1-1/2" male outlet



Style 111

129

Pistol Grip Adapter
1-1/2" inlet X 1-1/2" outlet



Style 129

191

Folding Coupling Spanner
Lightweight and compact
Fits Storz, Pin and Rocker Lug Couplings



Style 191

133

British Instantaneous Adapter
BI male (2-1/2") x 1-1/2" male thread
Hard anodized lightweight alloy
Internally profiled for reduced turbulence



Style 133

137

British Instantaneous Adapter
BI male (2-1/2") X 2-1/2" male thread
Hard anodized lightweight alloy
Internally profiled for reduced turbulence

139

Machino Adapter
1-1/2" or 2-1/2" Machino X 1-1/2" male thread



Style 139

150

Flexible Joint
Improve nozzle handling
Easy to move from stiff hose line
1-1/2" X 1-1/2"



Style 150

MASTER STREAM NOZZLES

830

Automatic Master Stream Nozzle

Lightweight alloy

Automatically adjust to changes in flow and pressure

Maintain constant operating pressure over a wide range of flows

Flow from 300 - 1000 gpm (1140 - 3800 lpm)

Pattern easily changed with large control handles



Style 830

Style	Material	Inlet	Flow Range		Teeth	Length	Weight Lbs (kg)
			GPM	LPM			
830	Alloy	2-1/2" (65mm)	300-1000	1140-3800	Fixed	8.2" (208mm)	9.9 (4.5kg)

818, 818 - BC

819, 819 - BC

820, 820 - BC

Master Stream Nozzle

Vary flow settings with an easy turn of the baffle

Spinning teeth



Style 818
Style 819
Style 820



Style 818-BC
Style 819-BC
Style 820-BC

Style	Material	Inlet	Flow@100 PSI(7 Bar)		Teeth	Length	Weight Lbs(kg)
			GPM	LPM			
818	Alloy	1-1/2" or 2-1/2" (38 or 65mm)	15 ,30 ,45	56,115,170	Spinning	5.5" (140mm)	2.6 (1.2)
818-BC	Bronze	1-1/2" or 2-1/2" (38 or 65mm)	15 ,30 ,45	56,115,170	Spinning	5.5" (140mm)	7.3 (3.3)
819	Alloy	1-1/2" or 2-1/2" (38 or 65mm)	60 ,95 ,125	230,360,475	Spinning	5.5" (140mm)	2.6 (1.2)
819-BC	Bronze	1-1/2" or 2-1/2" (38 or 65mm)	60 ,95 ,125	230,360,475	Spinning	5.5" (140mm)	7.3 (3.3)
820	Alloy	1-1/2" or 2-1/2" (38 or 65mm)	200,250,350	750,950,1325	Spinning	5.5" (140mm)	2.6 (1.2)
820-BC	Bronze	1-1/2" or 2-1/2" (38 or 65mm)	200,250,350	750,950,1325	Spinning	5.5" (140mm)	7.3 (3.3)

MASTER STREAM NOZZLES



Style 822
Style 823



Style 822 - BC
Style 823 - BC



Spring - loaded baffle for
easy change of flow



"Built - in" Stream Shaper
For maximum reach



822, 822 - BC
823, 823 - BC

Master Stream Nozzle
Vary flow settings with easy turn of the baffle
Fixed teeth
Built - in stream shaper
Style #823 - BC FM approved

Style	Material	Inlet	Flow@100 PSI(7 Bar)		Teeth	Length	Weight Lbs ,(kg)
			GPM	LPM			
822	Alloy	2-1/2" (65mm)	250 ,350 ,500	950,1325,1900	Fixed	6.7j± (170mm)	4.4 (2)
822-BC	Bronze	2-1/2" (65mm)	250 ,350 ,500	950,1325,1900	Fixed	6.7j± (170mm)	12.8 (5.8)
823	Alloy	2-1/2" (65mm)	300 ,500 ,700	1140,1900,2660	Fixed	6.7j± (170mm)	4.4 (2)
823-BC	Bronze	2-1/2" (65mm)	300 ,500 ,700	1140,1900,2660	Fixed	6.7j± (170mm)	12.8 (5.8)



Shown on #887 Nozzle



Style 221

221

Foam Tube
Designed for quick and easy attachment
Enhances foam quality and stability
Fits Style 822, 822 - BC, 823, 823 - BC,
886, 886 - BC, 887 & 887 - BC master
stream nozzles



Style 824

824 & 824 - BC

Master Stream Nozzle
Vary flow settings with easy turn of the baffle

Style	Material	Inlet	Flow@100 PSI(7Bar)		Teeth	Length	Weight Lbs ,(kg)
			GPM	LPM			
824	Alloy	2-1/2" (65MM)	250,375,500	950,1420,1900	Spinning	5.9j± (150mm)	3.5 (1.6kg)
824-BC	Bronze	2-1/2" (65MM)	250,375,500	950,1420,1900	Spinning	5.9j± (150mm)	10 (4.6kg)

MASTER STREAM NOZZLES

825 - BC

Master stream Nozzle

Bronze construction

Twist shutoff

Built-in stream shaper

750 gpm (2900 lpm) standard

Convertible to 500, 1000, or 1250 gpm
(1900, 3800, or 4800 lpm)



Style 825 - BC



Style 825

Style	Material	Inlet	Flow@100 PSI(7 Bar)		Length	Weight Lbs (kg)
			GPM	LPM		
825-BC	Bronze	2-1/2" (65mm)	500, 750, 1000, 1250	1900, 2900, 3800, 4800	9" (229mm)	23 (10)
825	Alloy	2-1/2" (65mm)	500, 750, 1000, 1250	1900, 2900, 3800, 4800	9" (229mm)	13 (6kg)

835, 835 - BC

Master Stream Nozzle

Single fixed gallonage



Style 835



Style 835 - BC

Style	Material	Inlet	Flow @100 PSI(7 Bar)		Teeth	Length	Weight Lbs (kg)
			GPM	LPM			
835	Alloy	2-1/2" (65mm)	750, 1000	2900, 3800	Fixed	7 $\pm$ (178mm)	4.8 (2.2)
835-BC	Bronze	2-1/2" (65mm)	750, 1000	2900, 3800	Fixed	7 $\pm$ (178mm)	12.5 (5.7)

837 - BC

Master Stream Nozzle

Bronze construction

Single fixed flow

Flows up to 2,000 GPM (7600 lpm)

Optional flows 1000 - 2000 gpm in 100 gpm increments



Style 837 - BC

Style	Material	Inlet	Flow@100 PSI(7 Bar)		Length	Weight Lbs (kg)
			GPM	LPM		
837-BC	Bronze	3-1/2" (89mm)	2000	7600	11 $\pm$ (279mm)	35 (16)

MASTER STREAM NOZZLES



Style 845



Style 845-BC

845, 845 - BC

Master Stream Nozzle

Single fixed flow

Vary flow settings with an easy turn of the baffle

Spinning teeth for a full fog pattern

Style	Material	Inlet	Flow@100 PSI(7 Bar)		Teeth	Length	Weight Lbs(kg)
			GPM	LPM			
845	Alloy	2-1/2" (65mm)	300,500,800,1000	1140,1900,3030,3800	Spinning	7.8" (198mm)	7.9 (3.6)
845-BC	Bronze	2-1/2" (65mm)	300,500,800,1000	1140,1900,3030,3800	Spinning	7.8" (198mm)	18 (8.2)



Style 846-BC



Style 846

846, 846 - BC

Master Stream Nozzle

Adjustable flows

Spinning teeth for a full fog

Style	Material	Inlet	Flow @100 PSI(7 Bar)		Teeth	Length	Weight Lbs(kg)
			GPM	LPM			
846	Alloy	2-1/2" (65mm)	250-400-550-750	500-1000-1500-2000	Spinning	8.3" (211mm)	6.6(3)
846-BC	Bronze	2-1/2" (65mm)	250-400-550-750	500-1000-1500-2000	Spinning	8.3" (211mm)	16(7.3)



Style 847-BC



Style 847

847, 847 - BC

Master Stream Nozzle

Adjustable flows

Spinning teeth for a full fog

Style	Material	Inlet	Flow@100 PSI(7 Bar)		Teeth	Length	Weight Lbs(kg)
			GPM	LPM			
847	Alloy	2-1/2" (65mm)	300-400-500-600	1200-1600-2000-2400	Spinning	8.3" (211mm)	6.6(3)
847-BC	Bronze	2-1/2" (65mm)	300-400-500-600	1200-1600-2000-2400	Spinning	8.3" (211mm)	16(7.3)

MASTER STREAM NOZZLES

848, 848 - BC

Master Stream Nozzle
Adjustable flows
Spinning teeth for a full fog



Style 848



Style 848 - BC

Style	Material	Inlet	Flow@100 PSI(7 Bar)		Teeth	Length	Weight Lbs(kg)
			GPM	LPM			
848	Alloy	2-1/2" (65mm)	500-750-1000-1250	1900-2900-3800-4800	Spinning	9.3" (236mm)	8.5(3.9)
848-BC	Bronze	2-1/2" (65mm)	500-750-1000-1250	1900-2900-3800-4800	Spinning	9.3" (236mm)	22(10)

849, 849 - BC

Master Stream Nozzle
Adjustable flows
Spinning teeth for a full fog



Style 849



Style 849 - BC

Style	Material	Inlet	Flow@100 PSI(7 Bar)		Teeth	Length	Weight Lbs(kg)
			GPM	LPM			
849	Alloy	2-1/2" (65mm)	350-500-750-1000	1325-1900-2900-3800	Spinning	9.3" (236mm)	8.5(3.9)
849-BC	Bronze	2-1/2" (65mm)	350-500-750-1000	1325-1900-2900-3800	Spinning	9.3" (236mm)	22(10)

119, 119 - BC

Stream Shaper
2 - 1/2" female inlet X 2 - 1/2" male outlet
Replaceable vanes



Style 119



Style 119 - BC

Style	Material	Inlet	Outlet	Length	Weight Lbs (kg)
119	Alloy	2-1/2" (65mm)	2-1/2" (65mm)	4.2" (107mm)	2.2 (1)
119-BC	Bronze	2-1/2" (65mm)	2-1/2" (65mm)	4.2" (107mm)	4.4 (2)

Self Educating Master Stream Nozzles

- Available in bronze or lightweight alloy
- A master stream nozzle with “built-in” inductor
- Installation of a Protek self inducing nozzle turns an existing water monitor into a foam station
- Adjustable from straight stream to fog
- Interchangeable foam orifices plates provided nozzles for variable foam induction rates
- For foam solution or water

883 - BC

Self Educating Master Stream Nozzle
Bronze construction
225GPM (850 LPM)
3% induction rate
9' pickup hose and 15" tube



Style 881 - BC, 883 - BC

881 - BC

Self Educating Master Stream Nozzle
Bronze construction
150 GPM (560 LPM)
3% or 6% induction rate
9' pickup hose and 15" tube

Style	Material	Flow @100 PSI (7 Bar)	Water Inlet	Foam Inlet	Proportioning	Length	Weight Lbs (kg)
881-BC	Bronze	150 GPM (550 LPM)	1-1/2" or 2-1/2" (38 or 65mm)	Quick connection	3%, 6%	6.3" (160mm)	9.9 (4.5kg)
883-BC	Bronze	225 GPM (850 LPM)	1-1/2" or 2-1/2" (38 or 65mm)	Quick connection	3%	6.3" (160mm)	9.9 (4.5kg)



Style 886 - BC



Style 886

886

Self Educating Master Stream Nozzle
Bronze construction

886 - BC

Self Educating Master Stream Nozzle
Lightweight alloy
9' pickup hose and 15" tube
350 GPM (1325LPM)
3% or 6% induction rate
2 - 1/2" Inlet

Style	Material	Flow @100 PSI (7 Bar)	Water Inlet	Foam Inlet	Proportioning	Length	Weight Lbs (kg)
886	Alloy	350 GPM (1325 LPM)	2-1/2" (65mm)	Quick connection	3%, 6%	7.1" (180mm)	7.9 (3.6kg)
886-BC	Bronze	350 GPM (1325 LPM)	2-1/2" (65mm)	Quick connection	3%, 6%	7.1" (180mm)	15 (6.8kg)

SELF EDUCATING MASTER STREAM NOZZLES

887

Style 887



Self Educating Master Stream Nozzle
 Lightweight alloy
 9' pickup hose and 15" tube
 500 GPM (1900 PM)
 3% or 1% induction rate
 2 - 1/2" Inlet

Style 887 - BC



887 - BC

Self Educating Master Stream Nozzle
 Bronze construction

Style	Material	Flow @100 PSI (7 Bar)	Water Inlet	Foam Inlet	Proportioning	Length	Weight Lbs (kg)
887	Alloy	500 GPM (1900 LPM)	2-1/2" (65mm)	Quick Connection	1%, 3%	7.1" (180mm)	7.9 (3.6kg)
887-BC	Bronze	500 GPM (1900 LPM)	2-1/2" (65mm)	Quick Connection	1%, 3%	7.1" (180mm)	15 (6.8kg)



Style 888

888

Self - Educating Master Stream Nozzle
 Lightweight alloy
 8' pickup hose and 15" tube
 Interchangeable orifice plates for
 1/2%, 1%, 3%, or 6% induction rates



Style 888 - BC

888 - BC

Self Educating Master Stream Nozzle
 Bronze construction



Optional Drum Pickup Kit

Style	Material	Flow @100 PSI (7 Bar)	Water Inlet	Foam Inlet	Proportioning	Length	Weight Lbs (kg)
888	Alloy	350,500,750 (1325,1900,2900)	2-1/2" (65mm)	Quick connection	1/2%, 1%, 3%, 6%	5.7" (145mm)	13.2 (6kg)
888-BC	Bronze	350,500,750 (1325,1900,2900)	2-1/2" (65mm)	Quick connection	1/2%, 1%, 3%, 6%	5.7" (145mm)	21.5 (9.8kg)

SELF EDUCATING MASTER STREAM NOZZLES

889

Self Educating Master Stream Nozzle
Lightweight alloy construction
8' pickup hose and 15" tube
1,000 GPM(3,800 LPM)



Style 889

899 - BC

Self Educating Master Stream Nozzle
Bronze alloy construction



Style 889 - BC

Style	Material	Flow @100 PSI (7 Bar)	Water Inlet	Foam Inlet	Proportioning	Length	Weight Lbs (kg)
889	Alloy	1000 GPM (3800 LPM)	2-1/2" (65mm)	Quick Connection	1%, 3%	9.5" (241mm)	11.8 (5.4kg)
889-BC	Bronze	1000 GPM (3800 LPM)	2-1/2" (65mm)	Quick Connection	1%, 3%	9.5" (241mm)	18.7 (8.5kg)



Style 855E



Style 818E, 819E, 820E

Electrically Controlled Nozzles

For use with remote controlled monitor work with 12v or 24v



Style 817E

Style	Material	Pattern Control	Flow @100 PSI (7 Bar)		Teeth	Inlet	Weight Lbs (kg)
			GPM	LPM			
817E	Alloy	Electric	250, 400, 550, 750	950, 1525, 2100, 2900	Fixed	2-1/2" (65mm)	8.5 (3.8kg)
818E	Alloy	Electric	15, 30, 45	60, 115, 170	Spinning	1-1/2" (38mm)	7 (3.2kg)
819E	Alloy	Electric	60, 95, 125	230, 360, 475	Spinning	1-1/2" (38mm)	7 (3.2kg)
820E	Alloy	Electric	200, 250, 350	750, 950, 1325	Spinning	1-1/2" (38mm)	7 (3.2kg)
855E	Alloy	Electric	300-1250	1140-4800	Fixed	2-1/2" (65mm)	12 (5.5kg)

SPECIFICATIONS (#605)		
Max. GPM(LPM)	500 (1900)	
Inlet	Size	Type
	2"	Female Thread
Outlet	1-1/2"	
Control	Tiller Bar	
Material	Bronze	
Finish	Red Powder Coating	
Friction Loss	28 psi at 500 gpm	
	15 psi at 350 gpm	
Travel	Vertical: 140°	
	Rotation: 360°	
Weight	19 lbs.(9kg)	
Certification	CE	



Style 605

CE
0062

605

Industrial Monitors

Corrosion resistant bronze construction
ideal for marine, offshore, industrial, or
other corrosive environment

Full 2" vaned waterway to improve stream performance
360° rotation and 140°

(80° above to 60° below) vertical travel

Positive friction locks on both horizontal and vertical travel

500 GPM (1,900 LPM) capacity

Operation pressure of 200 PSI (14 bar)

Stainless steel lever

SPECIFICATIONS (#611)		
Max. GPM(LPM)	1250 (4800)	
Inlet	Size	Type
	3"	Flange
	4"	Flange
	3"	Female Thread
Outlet	2-1/2"	
Control	Single Hand-Wheel	
Material	Bronze	
Finish	Red Powder Coating	
Friction Loss	26 psi at 1250 gpm	
	18 psi at 1000 gpm	
Travel	140° Vertical	
	360° Rotation	
Weight	56 lbs.(26kg)	
Certification	FM & CE Approved	



Style 611

CE
0062

611

Industrial Monitors

Corrosion resistant bronze construction

Ideal for marine, offshore industrial or other corrosive
environment

Full 3" waterway for flow up to 1,250 GPM (4800 LPM)

Cast - in turning vanes for efficient flow

Full 360° rotation with positive twist flow

Vertical travel from 70° above to 70° below horizontal

Vertical travel is controlled by hand wheel with worm gear
Fully enclosed worm gears is protected from the elements

Double row stainless steel ball bearings at all rotation joints

Compact design, low profile

SPECIFICATIONS (#612)		
Max. GPM(LPM)	1250 (4800)	
Inlet	Size	Type
	3"	Flange
	4"	Flange
	3"	Female Thread
Outlet	2-1/2"	
Control	Double Hand-Wheel	
Material	Bronze	
Finish	Red Powder Coating	
Friction Loss	26 psi at 1250 gpm	
	18 psi at 1000 gpm	
Travel	140° Vertical	
	360° Rotation	
Weight	60 lbs.(27Kg)	
Certification	CE Approved	

SPECIFICATIONS (#636)		
Max. GPM(LPM)	750 (2900)	
Inlet	Size	Type
	3"	Flange
	4"	Flange
	2-1/2"	Female Thread
Outlet	2-1/2"	
Control	Tiller Bar	
Material	Bronze	
Finish	Red Powder Coating	
Friction Loss	35 psi at 750 gpm	
	18 psi at 800 gpm	
Travel	135° Vertical	
	360° Rotation	
Weight	44 lbs. (20Kg)	
Certification	FM & CE Approved	

612

Industrial Monitors

Corrosion resistant bronze construction. Ideal for marine, offshore industrial, or other corrosive environment
Full 3" waterway flow up to 1,250 GPM (4,800 LPM)
Cast-in turning vanes for efficient flow
Vertical and horizontal travels are controlled by hand wheels with worm gears
Fully enclosed worm gears are protected from the elements
Full 360° rotation

Vertical travel from 70° above to 70° Below horizontal
Vertical travel is controlled by hand wheel with worm gear
Double row stainless steel ball bearing at all rotation joints
Compact design, low profile



CE
0062

Style 612



636

Industrial Monitors

Corrosion resistant bronze construction. Ideal for marine, offshore industrial or corrosive environment
Full 2-1/2" waterway
Flow up to 750 GPM (2,480 LPM)
Full 360° rotation

Vertical travel of 135° from 75° above to 60° horizontal
Positive friction locks on both horizontal and vertical travel to hold the desired position
Stainless steel lever
Operating pressure of 200 PSI (14 bar)
Standard unit painted red



Style 636

SPECIFICATIONS (#649)		
Max. GPM(LPM)	1250 (4800)	
Inlet	Size	Type
	3"	Flange
	4"	Flange
	3"	Female Thread
Outlet	2-1/2"	
Control	Tiller Bar	
Material	Bronze	
Finish	Red Powder Coating	
Friction Loss	18 psi at 1250 gpm	
	15 psi at 1000 gpm	
Travel	150° Vertical	
	360° Rotation	
Weight	56 lbs.(25kg)	
Certification	FM & CE Approved	

CE
0062



649

Style 649

Industrial Monitors
Corrosion resistant bronze construction.
Ideal for marine, offshore industrial or corrosive environment
Full 3" waterway
Cast - in turning vanes for efficient flow
Flow up to 1,250 GPM (4,800 LPM)
360° horizontal and 150° vertical travel
90° above to 60° below horizontal
Positive friction locks on both horizontal and vertical travel to hold the desired position
Stainless steel lever
Operating pressure of 200 PSI (14 bar)

SPECIFICATIONS (#736)		
Max. GPM(LPM)	1250 (4800)	
Inlet	Size	Type
	3"	Flange
	4"	Flange
	3"	Female Thread
Outlet	2-1/2"	
Control	Tiller Bar	
Material	Bronze	
Finish	Red Powder Coating	
Friction Loss	20 psi at 1250 gpm	
	24 psi at 1000 gpm	
Travel	135 ° Vertical	
	360° Rotation	
Weight	44 lbs.(20kg)	
Certification	FM & CE Approved	

Style 736



CE
0062



736

Industrial Monitors
Seamless brass 2.5" waterway for flow up to 1,250 GPM
Corrosion resistant bronze construction. Ideal for marine, offshore industrial, or other corrosive environment.
Smooth internal waterway for efficient flow 360°horizontal and 135° Vertical travel 90° above to 45° below cast brass swivel joints.
Stainless steel balls in all swivels.
Stainless steel lever.
Positive friction locks on both horizontal and vertical travel to hold the desired position.
Powder coating gives a tough corrosion resistant finish
Operating pressure of 200 PSI (14 bar).

3" waterway with cast vane for flow efficiency



Liquid filled pressure gauge

Fully enclosed worm gear

Dual spring - loaded lock pins for quick and easy break - apart

Carbide spikes for extended wear

Dual purpose use as a portable monitor or deck gun

Spring - loaded forged aluminum folding legs

622

Dual Purpose Ground Monitor

Durable, lightweight aluminum construction

Dual purpose use as a portable monitor or deck gun

3" waterway with cast vane for quality stream

Vertical travel from 80° above to 25° below horizontal with built in 35 ° safety stop

360° rotation when mounted in the deck mode, 180° in the portable mode

Compact folding base can be stored in any truck compartment or pre - connected in the hose bed

Carbide tipped spikes for extended wear and stability

Fully enclosed worm gear to protect from elements



Style 622 - 1



Style 622 - 2

DUAL PURPOSE GROUND MONITORS



Direct Mount Flange
Style 190



Quad Stacked Tips
Style 120



Stream Shaper
Style 119



Master Stream Nozzle
Style 847



Self - educing Nozzle (500 GPM)
Style 887



Self - educing Nozzle (750 GPM)
Style 888



Style 622 - 3



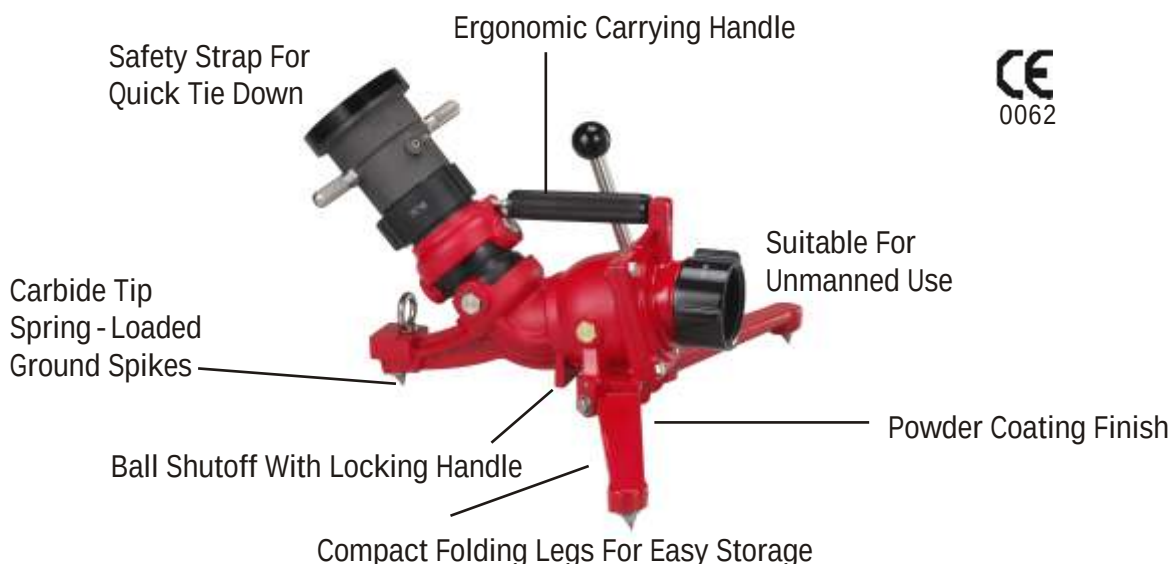
Style 622 base



Style 622 liftoff

	Portable(#622 - 1)		Portable(#622 - 2)		Deck Mount(#622 - 3)	
Max. GPM(LPM)	1000 (3800)		800 (3030)		1250 (4800)	
Inlet	Size	Type	Size	Type	Size	Type
	3-1/2"	Thread	(2) 2-1/2"	Thread	3"	Flange
	4"	Thread			4"	Flange
	5"	Thread			3"	Female Thread
Outlet	2-1/2"		2-1/2"		2-1/2"	
Control	Single Hand-Wheel		Single Hand-Wheel		Single Hand-Wheel	
Material	Alloy		Alloy		Alloy	
Finish	Red Powder Coating		Red Powder Coating		Red Powder Coating	
Friction Loss	16 psi at 1000 gpm		15 psi at 800 gpm		24 psi at 1250 gpm	
	12 psi at 700 gpm		12 psi at 750 gpm		18 psi at 1000 gpm	
Travel	105° Vertical		105° Vertical		130° Vertical	
	180° Rotation		180° Rotation		360° Rotation	
Weight	32 lbs.		32 lbs.		27 lbs.	
Certification	CE Approved		CE Approved		CE Approved	

SINGLE LINE GROUND MONITOR



600

Single Line Ground Monitor

Simple & quick attack operation, operate like handline while delivering much more water

Highly maneuverable

Low profile design for stable operation

Unmanned operation at fire scene to save manpower

Compact size and light weight

Flow range up to 500 GPM (1,900 LPM)

Elevation is adjustable between 20° to 60° unmanned. Down to 20° when manned

Horizontal rotation is adjustable 20° each side of center

Ball shutoff with locking handle

The monitor body is hard coated anodized aluminum with tough powder coating

Carbide tips spikes on base support for long term wear resistance and ground stability

Large handle for easy carry around



Master Stream
Nozzle Style 824



Style 117



Style 119

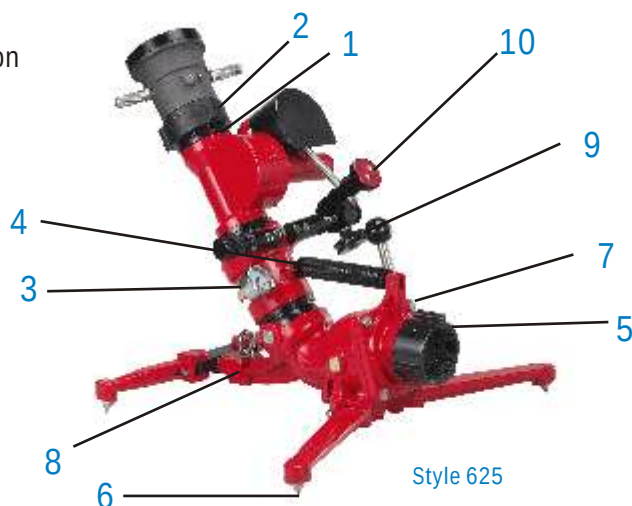


SPECIFICATIONS		Style 600	
Max. GPM(LPM)		500 (1900)	
Inlet	Size	Type	
	2-1/2"	Female Thread	
Outlet	2-1/2"		
Control	Manual		
Material	Alloy		
Finish	Red Powder Coating		
Friction Loss	10 psi at 500 gpm		
	6 psi at 350 gpm		
Travel	Vertical:	30° - 60° (unmanned)	
		20° - 60° (manned)	
	Horizontal:	20° Either Side	
Weight	14 lbs. (7 kgs)		
Certification	CE Approved		

Ground Oscillaing Monitors

CE
0062

1. Powder Coating For Corrosion Resistant Finish
2. Elevation Is Adjustable For Unmanned Operation
3. Built In Pressure Gauge
4. Large Handle Makes Moving Easy
5. 2 - 1/2" Full Time Swivel Inlet
6. Carbide Spikes For Extended Wear
7. Ball Shut Off For Easy Control Of Flow
8. Low Profile For Excellent Ground Stability
9. Adjustable Sweeping Range
10. On/Off knob can stop oscillating at any point



625

The ground oscillating monitors have sweeping water stream for attack, cooling, protection and haz - mat situations

The water driven turbine sweeps the outlet back and forth in a smooth and powerful motion while unmanned

The water driven turbine make the nozzle oscillating at 10°, 15° or 20° either side of the center

On/Off knob can stop oscillating at any point

The oscillating mechanism can be disengaged.

Horizontal rotation moved manually

Elevation is adjustable between 20° and 60° unmanned

Built in pressure gauge

Large handle makes moving easy

Carbide tips spikes for extended wear and stability

Powder coating gives corrosion resistant finish

Oscillating Speed (with straight bore tip)

Cycles Per Minute	Flow
8	175 GPM (660 LPM)
11	225 GPM (850 LPM)
22	350 GPM (1,325 LPM)
25	500 GPM (1,900 LPM)



SPECIFICATIONS		Style 625)	
Max. GPM(LPM)	500 (1900)		
Inlet	Size	Type	
	2-1/2"	Female Thread	
Outlet	2-1/2"		
Control	Manual		
Material	Alloy		
Finish	Red Powder Coating		
Travel	Vertical: 40°		
Oscillating Degree	10°, 15 °, 20 ° Either Side		
Minimun Pressure to Oscillate	50psi (3.5 bar)		
Weight	28 lbs. (13 kgs)		
Certification	CE Approved		



916 Oscillating Mechanism



911, 916

All oscillating mechanism component constructed of high grade bronze for superior corrosion resistant and wear. Oscillating movement is generated through a pelton wheel driven by fire water power. Transform a manual monitor into an oscillating just unbolting the existing monitor and inserting the #911 or #916 conversion kit between flanges. Designed for refineries, process plants, tank farms, tank loading areas, offshore installation and other high risk areas.



911 Oscillating Mechanism



918 Oscillating Monitor

SPECIFICATIONS	Style 911	Style 916
Max. GPM(LPM)	1250(4800)	1250 (4800)
Inlet Flange	3"Or 4" ANSI	3"Or 4" ANSI
Outlet Flange	3"Or 4" ANSI	3"Or 4" ANSI
Waterway	3"	3"
Operating Pressure	MIN.50PSI (3.5 Bar) Max. 200 PSI (14Bar)	MIN.50PSI (3.5 Bar) Max. 200 PSI (14Bar)
Arc of Oscillation	Adjustable in 7.5° increment through 360°	Adjustable by 3 points 120°
Speed of Oscillation	6 cycles /min. @100 psi	8 cycles /min. @100 psi
Flow Rate through Water Drive Wheel	16 GPM @100 PSI (7 Bar)	12 GPM @100 PSI (7 Bar)
Manual Override Capacity	Yes (360°)	Yes (360°)
Test Connection	3/4" Garden hose	3/4" Garden hose
Speed Control	Bronze valve (Externally accessible)	Bronze valve (Externally accessible)
Weight	90 lbs (41kg)	85 lbs (38kg)

REMOTE CONTROLLED MONITOR



Adjustable Flow Baffles
For Various Flows

Durable Lightweight Alloy
Construction

Manual override

Cast - In Turning Vanes for
Improved Flows

Water Proof
Motor and
Gear Actuator

Automatic Oscillating
& Stow as standard
supply

Control System Components Sealed

922

Durable lightweight alloy construction
Developed for wildland firefighting, de - icing, fixed
site facility, dust control, front bumper turret and many
other operations
Designed for water, foam and CAF applications
2" waterway with turning vane to improve stream quality
Flows up to 400 GPM
135° vertical travel (90° above horizontal to 45° blow)
Electric drives and circuit box are waterproof
Gear motors totally enclosed and sealed
Current limit switch control for pattern, horizontal and
vertical travel and open/close of electric valve
Manual override

SPECIFICATIONS (Style 922)		
Max. GPM(LPM)	400 (1525 LPM)	
Inlet	Size	Type
	2"(50mm)	Female Thread
	2-1/2"(65mm)	Flange
Outlet	1-1/2"(38mm)	
Control	Electric	
Material	Alloy	
Finish	Red Powder Coating	
Friction Loss	15 psi at 400 gpm	
	12 psi at 350 gpm	
Travel	Vertical: 135°	
	Rotation: 180° or 320°	
Dimensions in Stow Position (H X W X D)	12" x 11" x 12" 304 x 279 x 304 (mm)	
Weight	15 lbs.(7kg)	
Certification	CE Approved	



Joystick



Electric Valve for Style 922

Quick connection



Style 818E Electric Nozzle

Wireless Remote Controlled Monitors

- A technically advanced wireless controlled deck monitor
- With a hand-held wireless remote transmitter, firefighters can direct fire stream from as far as 200 meters away from the monitor for safety and efficiency
- 320° horizontal rotation with adjustable stops
- Vertical travel 90° above to 45° below horizontal
- Electric nozzle with an adjustable four settings baffle for flow options
- Programmable automatic oscillating and stow as standard supply
- Easy two-wired installation
- 12 or 24 V
- Manual override



Style 955



Style 933

	Portable(#933)		Portable(#955)	
Max. GPM(LPM)	750 (2900)		1250 (4800)	
Inlet	Size	Type	Size	Type
	3"	Thread	3"	Flange
	3"	Flange	4"	Flange
	4"	Flange		
Outlet	2-1/2"		2-1/2"	
Control	Electric		Electric	
Material	Alloy		Alloy	
Finish	Red Powder Coating		Red Powder Coating	
Friction Loss	15 psi at 750 gpm		16 psi at 1250 gpm	
	12 psi at 500 gpm		12 psi at 1000 gpm	
Travel	Vertical:135°		Vertical:135°	
	Rotation:320°		Rotation:360°	
Weight	26Lbs.(12kg)		33Lbs.(15kg)	
Certification	CE Approved		CE Approved	

WIRELESS REMOTE CONTROLLED MONITORS

Panel Mount Primary Controller

Designed to be permanently mounted to the apparatus. able to override all others.

**Hand - held wireless remote transmitter****Touch Screen Control Panel (Also Monitor Position Display)**

Designed to be mounted to the apparatus is the ultimate in control of the fire stream. Fully customizable display screens to make total control simple and user - friendly that controlling up/down, left/right, flow pattern, opening the valve, oscillating and displaying the position can not be easier.



Monitor Position Display



Functional Pad Display



Electric Valve

Wire or Wireless Joystick Control**956****Electric Riser for Deck Monitors**

Designed to elevate the deck monitor 18" so the fire stream can clear the obstructions. 3" waterway with maximum flow capacity of 1250 GPM (4800 LPM)

Manual override

Electrically actuated (12 or 24V)

Inlet: 3" Victaulic or NPT Male

Outlet: 3" or 4" flange



Style 956

Eductors

- Available In - line or By - pass models
- Removable metering valve
- A large, easy to read metering dial
- Infinite or positive position metering valve settings
- Eductors are rated for optimum flow at 200 psi (14 Bar) inlet pressure. Work well with nozzles rated at 75 psi (5 Bar) and 100 psi (7Bar)
- Ball check valve prevents back flow into foam concentrate
- Supplied with clear foam pick up tube



Style 201

201 - 60

In - Line Eductor
Bronze construction
1 - 1/2" or 2 - 1/2" swivel inlet X 1 - 1/2" male
60 GPM (230 LPM)
30" pick up hose & 15" tube
Induction rates: ½, 1, 3, 6% and shutoff

201 - 95

In - Line Eductor
Bronze construction
1 - 1/2" or 2 - 1/2" swivel inlet X 1 - 1/2" male
95 GPM (360 LPM)
30" pick up hose & 15" tube
Induction rates: ½, 1, 3, 6% and shutoff

Style	Material	Inlet	Outlet	Flow		Length	Weight lbs.(kg)
				GPM	LPM		
201-60	Bronze	1-1/2" or 2-1/2" (38 or 65 mm)	1-1/2" (38 mm)	60	230	10.5" (267 mm)	9.2 (4.2kg)
201-95	Bronze	1-1/2" or 2-1/2" (38 or 65 mm)	1-1/2" (38 mm)	95	360	10.5" (267 mm)	9.2 (4.2kg)



Style 203

203 - 60

In - Line Eductor
Lightweight alloy
1 - 1/2" or 2 - 1/2" swivel inlet X 1 - 1/2" male
60 GPM (230 LPM)
30" pick up hose & 15" tube
Induction rate may be set at any position between 0% to 6% with détentes at 1/4, ½, 1, 3, and 6%

Style	Material	Inlet	Outlet	Flow		Length	Weight lbs.(kg)
				GPM	LPM		
203-60	Alloy	1-1/2" or 2-1/2" (38 or 65 mm)	1-1/2" (38 mm)	60	230	8.6" (218 mm)	3.5 (1.6kg)
203-95	Alloy	1-1/2" or 2-1/2" (38 or 65 mm)	1-1/2" (38 mm)	95	360	8.6" (218 mm)	3.5 (1.6kg)
203-125	Alloy	1-1/2" or 2-1/2" (38 or 65 mm)	1-1/2" (38 mm)	125	475	8.6" (218 mm)	3.5 (1.6kg)

Style 203 - 95

In - Line Eductor
95 gpm (360 lpm)

Style 203 - 125

In - Line Eductor
125 gpm (475 lpm)



Style 205

205 - 250

In - Line Eductor
Lightweight
2 - 1/2" swivel X 2 - 1/2" male
250 gpm (950 lpm)
Complete with 48" pick up hose & 15" tube
Induction rate may be set at any position
between 0% to 6% with détentes at 1/4, 1/2, 1, 3, and 6%

Style	Material	Inlet	Outlet	Flow		Length	Weight lbs.(kg)
				GPM	LPM		
205-250	Alloy	2-1/2" (65 mm)	2-1/2" (65 mm)	250	950	12" (305 mm)	8.0 (3.6kg)



Style 222

222 - 60

Portable By - Pass Eductor
Bronze construction
Allows the operator to easily change from water to foam
without shutting down
1 - 1/2" or 2 - 1/2" swivel inlet X 1 - 1/2" male
Easy change to water line use
60 gpm (230 lpm)
Complete with 30" pick up hose & 15" tube

Style	Material	Inlet	Outlet	Flow		Length	Weight lbs.(kg)
				GPM	LPM		
222-60	Bronze	1-1/2" or 2-1/2" (38 or 65 mm)	1-1/2" (38 mm)	60	230	17" (432 mm)	22 (10kg)
222-95	Bronze	1-1/2" or 2-1/2" (38 or 65 mm)	1-1/2" (38 mm)	95	360	17" (432 mm)	22 (10kg)
222-125	Bronze	1-1/2" or 2-1/2" (38 or 65 mm)	1-1/2" (38 mm)	125	475	17" (432 mm)	22 (10kg)

222 - 95

Portable By - Pass Eductor
95 gpm (360 lpm)

222 - 125

Portable By - Pass Eductor
125 gpm (475 lpm)

GATED WYES & WATER THIEF

506

Forestry Wye

1 - 1/2" female inlet X two 1 - 1/2" male outlets



Style 506

505

Forestry Wye

Male adapters are easily removed for adjustment of seats
1" female inlet X two 1" male outlets

Style 505

Style	Material	Inlet	Outlet	Weight lbs.(kg)
505	Alloy	1" (25 mm)	(2) 1" (25mm)	2.2 (1 kg)
506	Alloy	1-1/2" (38 mm)	(2) 1" or 1-1/2" (25 or 38 mm)	2.2 (1 kg)



Style 520

520

Leader Line Wye

2 - 1/2" female inlet X two 1 - 1/2" male outlets

Style	Material	Inlet	Outlet	Weight lbs.(kg)
520	Alloy	2-1/2" (65 mm)	(2) 1-1/2" (38 mm)	4 (1.8 kg)



Style 530

530

Leader Line Wye

Self - locking handle for positive positioning

2 - 1/2" female inlet X two 1 - 1/2" male outlets

Style	Material	Inlet	Outlet	Weight lbs.(kg)
530	Alloy	2-1/2" (65 mm)	(2) 1-1/2" (38 mm)	6.4 (2.9 kg)

GATED WYES & WATER THIEF

540

Hydrant Wye

2 - 1/2" to 6" female inlet X two 2 - 1/2" male outlets



Style 540

541

Hydrant Wye

2 - 1/2" inlet X two 2 - 1/2" male outlets



Style 541

550

3 - Way Hydrant Wye

Self - locking handle

2 - 1/2" to 6" female inlet x three 2 - 1/2" male outlets



Style 550

510

Water Thief

Lightweight alloy

Self - locking handle

Use for laying, extending or adding 1 - 1/2" or 2 - 1/2" lines

Without interfering with operation of other lines

2 - 1/2" female inlet X one 2 - 1/2" and two 1 - 1/2" male outlets



Style 510

Style	Material	Inlet	Outlet	Weight lbs.(kg)
540	Alloy	2-1/2" - 6" (65-150mm)	(2) 2-1/2" (65 mm)	14.3 (6.4 kg)
541	Alloy	2-1/2" (65mm)	(2) 2-1/2" (65 mm)	8.8 (4 kg)
550	Alloy	2-1/2" - 6" (65-150mm)	(3) 2-1/2" (65 mm)	20 (9.2 kg)
510	Alloy	2-1/2" (65mm)	(2) 1-1/2" & (1) 2-1/2" (38&65 mm)	13.5 (6.1 kg)

540 - BC

Hydrant Wye

Bronze construction

2 - 1/2" to 6" female inlet X two 1 - 1/2" male outlets



Style 540 - BC

520 - BC

Leader Line Wye

Bronze construction

2 - 1/2" female inlet X two 1 - 1/2" male outlets



Style 520 - BC

Style	Material	Inlet	Outlet	Weight lbs.(kg)
520-BC	Bronze	2-1/2" (65 mm)	(2) 1-1/2" (38 mm)	9 (4.1 kg)
540-BC	Bronze	2-1/2" - 6" (65-150 mm)	(2) 2-1/2" (65 mm)	33 (15 kg)

545

Suction Siamese
 Lightweight alloy
 Used as suction inlet collector for pumpers
 Self - locking handle
 2 - 1/2" swivel inlets come with strainers
 Two 2 - 1/2" female inlets X one 2 - 1/2" to 6" female

Style	Material	Inlet	Outlet	Weight lbs.(kg)
545	Alloy	(2) 2-1/2" (65 mm)	2-1/2" - 6" (65-150 mm)	15.8(7.2 kg)
545-BC	Bronze	(2) 2-1/2" (65 mm)	2-1/2" - 6" (65-150 mm)	36(16.5 kg)
555	Alloy	(3) 2-1/2" (65 mm)	2-1/2" - 6" (65-150 mm)	21.3(9.7 kg)

545 - BC

Suction Siamese
 Bronze construction



Style 545



Style 555

585

Clappered Valve Siamese
 Lightweight alloy
 Two 2 - 1/2" female inlet X 2 - 1/2" outlet
 Optional drain valve

Style	Material	Inlet	Outlet	Weight lbs.(kg)
585	Alloy	(2) 2-1/2" F (65 mm)	2-1/2" M (65 mm)	7(3.2 kg)



Style 585

587

Plain Wye
 Lightweight alloy
 2 - 1/2" to 6" female inlet X
 two 2 - 1/2" male outlets

Style	Material	Inlet	Outlet	Weight lbs.(kg)
587	Alloy	2-1/2" F (65 mm)	(2) 2-1/2" M (65 mm)	3.7(1.7 kg)



Style 587



Style 595

595

2 - 1/2" Hydrant Valve
 Lightweight alloy
 2 - 1/2" full flow waterway
 Self - locking handle for positive positioning
 Adapter easily removed for seat adjustment
 2 - 1/2" female inlet X 2 - 1/2" male outlet

Style	Material	Size	Inlet	Outlet	Weight lbs.(kg)
595	Alloy	2-1/2" (65 mm)	2-1/2" F (65 mm)	2-1/2" M (65 mm)	7.2(3.3 kg)



Style 596

596

2 - 1/2" Gate Valve
 Lightweight alloy
 Wedge seat gate valve
 Non - rising stem design
 Crank handle for easier operation
 2 - 1/2" female inlet X 2 - 1/2" male outlet

Style	Material	Size	Inlet	Outlet	Weight lbs.(kg)
596	Alloy	2-1/2" (65 mm)	2-1/2" F (65 mm)	2-1/2" M (65 mm)	4.6(2.1 kg)



NOZZLE	
STYLE	SERVICE KITS #
236	1236
238	1238
277	1277
302	1302
310	1007
311	1007
312	1008
314	1009
314-TP	1009-TP
321	1010
322	1010
323	1011
324	1012
324-TP	1012-TP
332	1032
333	1033
360	1000
361	1000
362	1000
366	1001
366-BC	1001-BC
367	1002
367-BC	1002-BC
368	1002
368-TP	1002-TP
368-BC	1002-BC
369	1002
370	1001
371	1000
372	1001
372-BC	1001-BC
372-BCFT	1001-BCFT
373	1002
373-BC	1002-BC
374	1002
374-BC	1002-BC
375	1003
379	1001

MASTER STREAM NOZZLE	
STYLE	SERVICE KITS #
818	1818
818-BC	1818-BC
819	1818
819-BC	1818-BC
820	1818
820-BC	1818-BC
818E	1818E
819E	1818E
820E	1818E
822	1822
822-BC	1822-BC
823	1822
823-BC	1822-BC
825-BC	1825-BC
826	1826
826-BC	1826-BC
830	1830
835	1835
835-BC	1835-BC
837-BC	1837-BC
845	1845
845-BC	1845-BC
846	1846
846-BC	1846-BC
847	1846
847-BC	1846-BC
848	1848
848-BC	1848-BC
849	1848
849-BC	1848-BC
881-BC	1881-BC
883-BC	1881-BC
886	1886
886-BC	1886-BC
887	1886
887-BC	1886-BC
888	1888
888-BC	1888-BC
889	1889
889-BC	1889-BC

Each Kit Contains
Most Frequently
Replaced Parts



Complete Parts Listing And Drawing
Are Included With Each Service Kit.

WYE	
STYLE	SERVICE KITS #
505	1505
506	1505
510	1510
520	1520
520-BC	1520-BC
530	1530
540	1540
1540-BC	1540-BC
541	1541
545	1540
545-BC	1540-BC
550	1550
555	1550
585	1585
587	1587
595	1595
596	1596

EDUCTOR	
STYLE	SERVICE KITS #
201-60	1201
201-95	1201
203-60	1201
203-95	1203
203-125	1203
205-250	1205
222-60	1222
222-95	1222
222-125	1222

MONITOR	
STYLE	SERVICE KITS #
600	1600
605	1605
611	1611
612	1611
622	1622
636	1636
649	1649
736	1736

Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach			
							Effective		Overall	
	PSI	BAR	GPM	LPM	GPM	LPM	Feet	Meters	Feet	Meters
360 	75	5	5	19	4	15	45	13	55	16
			10	37	9	34	45	13	55	16
			24	90	21	79	65	19	75	22
			40	150	35	132	75	22	85	26
	100	7	5	19	5	19	50	15	60	18
			10	37	10	37	50	15	60	18
			24	90	24	90	70	21	80	24
			40	150	40	150	90	27	100	30
	125	8.5	5	19	6	22	55	16	65	20
			10	37	11	42	55	16	65	20
			24	90	27	102	70	21	80	18
			40	150	45	170	95	29	105	32
361 	75	5	13	50	11	42	50	15	60	18
			25	100	22	83	60	18	70	21
			40	150	35	132	75	22	85	25
			60	230	52	197	95	29	105	32
	100	7	13	50	13	50	55	16	65	20
			25	100	25	100	60	18	70	21
			40	150	40	150	90	27	100	30
			60	230	60	230	105	32	115	35
	125	8.5	13	50	15	57	55	16	65	19
			25	100	28	106	65	19	75	23
			40	150	45	170	95	29	105	32
			60	230	67	254	110	34	120	36
362 	75	5	12	50	10	38	50	15	60	18
			23	90	20	76	65	19	75	22
			30	115	26	98	70	21	80	24
	100	7	12	50	12	50	55	16	65	19
			23	90	23	90	70	21	80	24
			30	115	30	115	75	22	85	26
	125	8.5	12	50	13	49	60	18	70	21
			23	90	26	98	70	21	80	24
			30	115	34	129	80	24	90	27

Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach			
							Effective		Overall	
	PSI	BAR	GPM	LPM	GPM	LPM	Feet	Meters	Feet	Meters
366 	75	5	30	115	26	98	80	24	90	27
			60	230	52	197	100	30	110	34
			95	360	82	310	120	36	130	39
			125	475	108	409	130	40	140	42
	100	7	30	115	30	115	85	26	95	29
			60	230	60	230	105	30	115	35
			95	360	95	360	125	38	135	41
			125	475	125	475	140	42	150	45
	125	8.5	30	115	34	129	90	27	100	30
			60	230	67	254	110	34	120	36
			95	360	107	401	125	38	130	41
			125	475	140	530	135	41	145	44
367  368 	75	5	95	360	82	310	115	35	125	38
			125	475	108	409	125	38	135	41
			150	550	130	492	145	44	155	47
			200	750	173	654	155	47	165	50
			250	950	217	821	160	48	170	51
	100	7	95	360	95	360	140	42	150	45
			125	475	125	475	150	45	160	48
			150	550	150	550	160	48	170	51
			200	750	200	750	170	51	180	54
			250	950	250	950	175	53	185	56
	125	8.5	95	360	106	401	145	44	155	47
			125	475	140	530	115	47	165	50
			150	550	168	636	160	48	170	51
			200	750	224	848	175	53	185	56
			250	950	280	1060	185	56	195	59

332, 333 Multi Purpose Nozzle



Smooth Bore Flow



Orifice Size	Nozzle Pressure		Smooth Bore Flow		Straight Stream Reach			
					Effective		Overall	
	PSI	BAR	GPM	LPM	Feet	Meters	Feet	Meters
3/8"	50	3.5	23	87	55	17	65	20
	75	5	30	114	65	20	75	23
1/2"	50	3.5	45	170	65	20	75	23
	75	5	60	227	85	26	95	29
5/8"	50	3.5	75	284	85	26	95	29
	75	5	95	360	105	32	115	35
3/4"	50	3.5	108	409	105	32	115	35
	75	5	135	571	115	35	125	38
7/8"	50	3.5	155	587	135	41	145	44
	75	5	190	719	155	47	165	50
15/16"	50	3.5	187	708	135	41	145	44
	75	5	229	867	155	47	165	50
1"	50	3.5	216	818	140	43	150	46
	75	5	266	1007	160	48	170	52

332, 333 Multi Purpose Nozzle
Combination Flows

Style	Tip Size	Inlet Pressure		Flow	
		PSI	BAR	GPM	LPM
332	3/8"	50	3.5	66	250
		75	5	78	295
	1/2"	50	3.5	88	333
		75	5	107	405
	5/8"	50	3.5	108	409
		75	5	136	515
333	3/4"	50	3.5	199	753
		75	5	247	935
	7/8"	50	3.5	232	878
		75	5	289	1094
	15/16"	50	3.5	250	946
		75	5	313	1185
	1"	50	3.5	270	1022
		75	5	334	1264

332, 333 Multi Purpose Nozzle
Fog Flows

Style	Inlet Pressure		Flow	
	PSI	BAR	GPM	LPM
332	50	3.5	42	160
	75	5	52	197
	100	7	60	226
333	50	5	95	360
	75	3.5	118	445
	100	7	135	510

CONSTANT GALLONAGE NOZZLES AT 100 PSI

Style	100 PSI Flow Setting	Actual Flow				Straight Stream Reach						
						Effective			Overall			
		75 psi 5 Bar	100 psi 7 Bar	125 psi 8.5 Bar		75 psi 5 Bar	100 psi 7 Bar	125 psi 8.5 Bar	75 psi 5 Bar	100 psi 7 Bar	125 psi 8.5 Bar	
	13	11	13	15	Gpm	55	65	75	65	75	85	Feet
	50	42	49	57	Lpm	16	20	23	20	23	26	Meters
	25	22	25	28	Gpm	70	75	85	80	85	95	Feet
	100	83	100	106	Lpm	21	23	26	24	26	29	Meters
	40	35	40	45	Gpm	75	85	95	85	95	105	Feet
	150	132	150	170	Lpm	23	26	29	26	29	32	Meters
	60	52	60	67	Gpm	85	95	105	95	105	115	Feet
	230	197	230	254	Lpm	26	29	32	29	32	35	Meters
	60	52	60	67	Gpm	85	95	105	95	105	115	Feet
	230	197	230	254	Lpm	26	29	32	29	32	35	Meters
	95	82	95	106	Gpm	90	115	125	100	125	135	Feet
	360	310	360	401	Lpm	27	35	38	30	38	41	Meters
	125	108	125	140	Gpm	115	125	135	125	135	145	Feet
	475	409	475	530	Lpm	35	38	41	38	41	44	Meters
	150	130	150	168	Gpm	135	145	160	140	155	165	Feet
	550	492	550	636	Lpm	41	44	47	44	47	50	Meters
	200	173	200	224	Gpm	130	145	160	140	155	170	Feet
	750	655	750	848	Lpm	40	44	49	42	47	52	Meters
	250	217	250	280	Gpm	150	160	170	160	170	180	Feet
	950	821	950	1060	Lpm	45	49	52	49	52	55	Meters
	200	173	200	224	Gpm	140	160	170	150	170	180	Feet
	750	655	750	848	Lpm	42	49	52	45	52	55	Meters
	250	217	250	280	Gpm	160	170	185	170	180	195	Feet
	950	821	950	1060	Lpm	49	52	56	52	55	59	Meters
	300	260	300	335	Gpm	170	190	200	180	200	210	Feet
	1140	984	1140	1268	Lpm	52	58	61	55	61	64	Meters

Eductor / Nozzle Performance Chart

Eductor Style #	Recommended Nozzles For Use With Eductor	Inlet Pressure	Flow Rate*		Maximum** Hose Lay	Nozzle Pressure	Effective*** Reach
			GPM	LPM			
201 - 60 203 - 60 222 - 60	366, 372, 366 - BC, 372 - BC	200	60	230	100 feet	100 PSI	85 feet
		150	52	197	100 feet	75 PSI	75 feet
		100	42	156	100 feet	50 PSI	65 feet
201 - 95 203 - 95 222 - 95	366, 367, 368, 369, 372, 366 - BC, 372 - BC, 373 - BC, 374 - BC	200	95	360	150 feet	100 PSI	95 feet
		150	82	310	150 feet	75 PSI	90 feet
		100	67	254	150 feet	50 PSI	75 feet
		200	95	360	250 feet	100 PSI	95 feet
		150	82	310	250 feet	75 PSI	90 feet
		100	67	254	250 feet	50 PSI	75 feet
203 - 125 222 - 125	366, 367, 368, 369, 372, 366 - BC, 372 - BC, 373 - BC, 374 - BC	200	125	475	150 feet	100 PSI	100 feet
		150	108	408	150 feet	75 PSI	90 feet
		100	88	333	150 feet	50 PSI	75 feet
		200	125	475	300 feet	100 PSI	100 feet
		150	108	408	300 feet	75 PSI	90 feet
		100	88	333	300 feet	50 PSI	75 feet
205 - 250	368, 374, 368 - BC, 374 - BC	200	250	950	200 feet	100 PSI	120 feet
		150	217	821	200 feet	75 PSI	110 feet
		100	177	670	150 feet	50 PSI	80 feet

* Total flow when picking - up 6% foam concentrate.

** Maximum hose lay from eductor discharge to nozzle.

*** These figures are with foam solution and nozzle set on straight stream.

Thread & Flange

Style	National Standard (NH)		Straight Iron Pipe (NPSH)		New York 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"	1.3750	8	1.0353	14					1.0625	11			1.041	14
1"	1.3750	8	1.2950	11.5	1.660	8			1.3125	11.5			1.309	11
1-1/2"	1.9900	9	1.8788	11.5	2.100	8	2.093	11	2.1000	11	1.933	11.5	1.882	11
2"	2.5150	8	2.3528	11.5			2.561	11	2.5500	10			2.347	11
2-1/2"	3.0680	7.5	2.8410	8	3.030	8	3.000	8	3.0460	7.5	2.990	7.5	2.960	11
3"	3.6239	6	3.4700	8									3.460	11
3-1/2"	4.2439	6	3.9700	8							4.052	8		
4"	5.0109	4	4.4700	8							5.011	4	4.450	11
4-1/2"	5.7609	4	4.9700	8							5.761	4	4.950	11
5"	6.2600	4	5.5350	8							6.260	4	5.450	11
6"	7.0250	4	6.5920	8									6.450	11

ODM= Outside Diameter of Male TPI = Threads Per Inch

Canadian Standard 2 - 1/2" Hose Threads

Code	Description	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
NDC	Nova Scotia - Zones 1	3.234	5

Flange Specifications

	Outside Diameter	Thickness	Bolt Hole Circle	Number of Bolts	Size of Bolts
2-1/2" ANSI 150#	7.00"	0.75"	5.5"	4	5/8"
3" ANSI 150# DN80 PN20	7.50" 190.5mm	0.75" 20mm	6.00" 152.5mm	4 4	5/8"
4" ANSI 150# DN100 PN20	9.00" 230mm	0.94" 23mm	7.50" 190.5mm	8 8	5/8"
DN80 PN16	200mm	22mm	160mm	8	16mm
DN100 PN16	220mm	22mm	180mm	8	16mm

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111	35	220	26	361	3	379	21	818	36	887	42
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118	33	226	27	366-BC	8	387-BC	24	819-BC	36	889	43
119	40	227	27	366-BCSP	23	388-BC	24	819-E	43	889-BC	43
119-BC	40	236	29	366-TO	4	392	21	820	36	911	51
120	33	238	30	367	5	505	57	820-BC	36	916	51
129	35	277	28	367-BA	5	506	57	820-E	43	918	51
130	31	279	28	367-BC	8	510	58	822	37	922	52
130-BC	31	280	28	367-TO	5	520	57	822-BC	37	933	53
132	31	302	20	368	5	520-BC	58	823	37	955	53
133	35	303	20	368-BA	6	530	57	823-BC	37	956	54
137	35	305	20	368-BC	8	540	58	824	37	2360	9
139	35	307	25	368-TO	6	540-BC	58	824-BC	37	2361	9
150	35	308	21	368-BCTP	8	541	58	825-BC	38	2365	9
155	34	309	25	368-TP	6	545	59	830	36	2366	9
162	34	310	12	369	7	545-BC	59	835	38	2368	9
176	34	311	12	369-BA	7	550	58	835-BC	38		
178	34	312	13	369-TO	7	555	59	837-BC	38		
182	34	314	13	370	7	585	59	845	39		
190	48	314-TP	13	371	16	587	59	845-BC	39		
191	35	320	25	372	17	595	60	846	39		
201	55	321	14	372-BA	17	596	60	846-BC	39		
203	55	322	14	372-BC	19	600	49	847	39		
205	56	322-SP	14	372-TO	17	605	44	847-BC	39		

STATEMENT OF WARRANTY AND DISCLAIMER

Protek Manufacturing Corp. manufacturer of all “Protek” fire fighting equipment, P. O. Box 27 - 126, Taichung, Taiwan, (“Warrantor”) warrants to the original purchaser of all handline nozzles & fixed or portable monitors, foam equipment and wyes manufactured by Warrantor and to any person to whom such equipment is transferred, that such equipment shall be free from defects in materials and workmanship during the five(5) year periods commencing upon the receipt of such equipment.

Warrantor will repair or replace product, which fails to satisfy this warranty at no charge.

Warrantor will not be responsible for: wear and tear; any improper installation, use or maintenance; negligence of the owner or user; damage; or anything else beyond our control. Further, Warrantor will not be responsible for any consequential, incidental or indirect damages including any loss of profits from any cause whatsoever. No person has authority to change this warranty.



Protek Manufacturing Corp. is proud to be ISO9001 - 2000 registered with international recognized Underwriter Laboratories Inc UL and CE marking with Bureau Veritas S.A..The certifications proves our relentless dedication to quality.



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