



2 1/2" FNPT x FNPT

1 1/2" FNPT x FNPT

## HC-102(DWG.J281)

ANGLE HOSE VALVE

300lb. RATED

Used with a Fire Hose Rack Assembly

Or as a Fire Dept. outlet connection

DOUBLE FEMALE

Standard equipment:

Female NPT inlet and outlet forge brass valve

Outlet cast brass valve

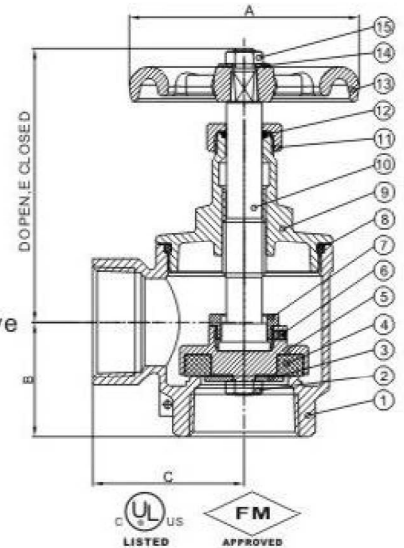
Red hand wheel.

Optional Finishes:

PB-Polished Brass

RC-Rough Chrome Plated

PC-Polished Chrome Plated



	A	B	C	D	E
1 1/2" x 1 1/2"	3.94	1.97	2.60	4.70	5.71
2 1/2" x 2 1/2"	4.92	2.68	3.27	6.18	7.87

NO	DESCRIPTION	MATERIALS	NO	DESCRIPTION	MATERIALS
1	BODY	ASTM B283 C37700	9	BONNET	ASTM B283 C37700
2	WHEEL NUT	ASTM B283 C37700	10	STEM	ASTM B283 C37700
3	WASHER	SS304	11	LOCK NUT	ASTM B283 C37700
4	SEAT SEAL	NBR	12	ORING	NBR
5	HOLDER	ASTM B283 C37700	13	HANDLE WHEEL	DUCTILE IRON
6	SET SCREW	SS304	14	WHEEL WASHER	SS304
7	LOCK NUT	ASTM B283 C37700	15	WHEEL NUT	ASTM B283 C37700
8	ORING	NBR			



## Pin Rack Hose Assembly



pin rack assembly

- Components include: rack nipple, U/L 300 PSI angle valve, semi-automatic fire hose pin rack, brass rack nozzle, and a length of 1½" pin rack hose
- U/L listed and Factory Mutual approved

NH (NST) Thread	Hose	Part #	Wt. Lbs.
1½"	50'	<b>FHPR150-50CBF</b>	20
1½"	75'	<b>FHPR150-75CBF</b>	25
1½"	100'	<b>FHPR150-100CBF</b>	30



## Semi Automatic Fire Hose Pin Rack



pin rack

- red steel enameled
- holds up to 100' of either 1½" or 2½" rack hose
- 1½" is U/L listed and Factory Mutual approved

Hose Size	For use with:			Part #	Powhatan Part #	Wt. Lbs.
	Size	Valve	Nipple			
1½"	1½"	AVF150	PRN150F	<b>FHPR150</b>	<b>30-333-00038</b>	<b>4.4</b>
1½"	2½"	AVF250	PRN250F	<b>FHPR2515</b>	<b>30-333-00019</b>	<b>4.5</b>

## Pin Rack Cover



pin rack cover

- 10 oz. red vinyl with Velcro™ closures

Size	Use with	Part #	Wt. Lbs.
25" x 30" x 6"	FHPR150	<b>PRC</b>	1.2

## Pin Rack Nipples



rack nipple

- material: **brass**
- finish: -C polished chrome plated

Male NPT	Male NH (NST)	Part #	Powhatan Part #	Wt. Lbs.
1½"	1½"	<b>PRN150F</b>	<b>14-136-00287</b>	0.8
1½"	1½"	<b>PRN150F-C</b>	<b>14-136-00305</b>	0.8
2½"	2½"	<b>PRN250F</b>	<b>14-136-00288</b>	2.2
2½"	2½"	<b>PRN250F-C</b>	<b>14-136-00462</b>	2.2

## Pin Rack Wall Bracket



wall bracket

- aluminum wall bracket used to support hose rack independent of stand pipe valve

Part #	Powhatan Part #	Wt. Lbs.
<b>PRWB</b>	<b>46-019-01561</b>	0.7

# Rack Hose-FBS Series

Key Words: SJ, T.P.U. Liner, Rack Hose

5Elem

## FEATURE



The Rack Hose-FBS is an all polyester single jacket interior protection hose for buildings and plants. The Rack Hose FBS is of light weight and compact, approximately half the weight of standard rubber lined single jacket hose. Resistant to most chemicals, petrol products, ozone & U.V. exposure, hydrolysis, and rot & mildew. Our liner process produces an amazingly thin but smooth inner waterway, yielding an extremely low friction loss for maximum flow. Tough and ready for action but light in weight. Strong, compact and practical, and will fit on most hose storage devices. Rack hose is available folded for standard pin racks in 50' (15m), 75' (22.5m), and 100' (30m) lengths. Specify folded, coiled, or number of pins for rack.

## PRESSURE REQUIREMENT

I .D. (Inch/mm)		Working Pressure (Bar/Psi)	Burst Pressure (Bar/Psi)
1-1/2"	38	10/150 (FM), 14/200, 17/250 (FM)	31/450, 42/600, 51/750
1-3/4"	45	10/150, 14/200, 17/250	31/450, 42/600, 51/750
2"	52	10/150 (FM), 14/200, 17/250 (FM)	31/450, 42/600, 51/750
2-1/2"	65	10/150 (FM), 14/200, 17/250 (FM)	31/450, 42/600, 51/750

## APPLICATION

Building Protection  
Wash Down

## COUPLINGS AVAILABLE

Aluminum & Brass NH/NST or IPT, Aluminum Storz,  
Instantaneous coupling etc.

## COLOR

The standard color for 5Elem Rack Hose-FBS is white. Other colors available with our innovative Wisentec™ abrasion resistant coatings are red, yellow, orange, blue, green and tan. Provides water repellency, abrasion, oil and chemical resistance. Color will be uniform throughout the length of each hose. The cost for color coating is additional.



## STANDARD

Meets or exceeds FM, UL-19 and NFPA 1961 specifications.



Underwriters  
Laboratories

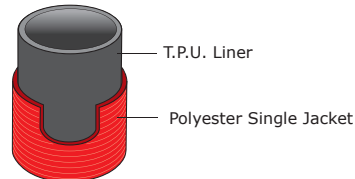


## STANDARD LENGTH

50', 75', 100'

## CONSTRUCTION

Single jacket, polyester spun as warp, filament polyester as weft, circular plain weave.  
Tube: Extruded T.P.U. elastomer - ozone and age resistant.



## NOTES

## Fog Nozzles

## Features

- Shutoff - straight stream - fog
- Brass stem

## Specification

- Maximum operating pressure: **100 PSI**  
(water only) at **70°F (21°C)**

Size	Thread	90° Spray GPM @ 100 PSI	Polycarbonate <sup>1</sup> Part #	Polycarbonate <sup>2</sup> Part #
3/4"	GHT	8.0	FNB75GHT <sup>3,4</sup>	---
	NPS	30.9	FNB75S <sup>4</sup>	---
1"	NPS	11.4	FNB100S <sup>4</sup>	FN100S
		30.9	HGB100S	---
1-1/2"	NPS	83.6	FNB150S	FN150S
1"	NST (NH)	11.4	FNB100NST	FN100NST
		30.9	HGB100NST	---
1-1/2"	NST (NH)	83.6	FNB150NST	FN150NST

<sup>1</sup> With bumper<sup>2</sup> Without bumper<sup>3</sup> Standard flow<sup>4</sup> 120° spray GPM @100 PSI

NOTE: Replacement washers can be found on page 19



with bumper



without bumper

## Fog Nozzle Flow Rate Chart

Part #	Inlet Pressure		Straight Stream		30°		60°		90°	
	PSI	kPa	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM
BFN100	50	(345)	18	(68)	21	(79)	24	(91)	27	(102)
	75	(517)	22	(83)	25	(95)	28	(106)	32	(121)
	100	(690)	24	(91)	28	(106)	32	(121)	36	(136)
BFN250	50	(345)	90	(341)	120	(454)	130	(492)	145	(549)
	75	(517)	100	(379)	140	(530)	150	(568)	180	(681)
	100	(690)	110	(416)	165	(625)	180	(681)	205	(776)
HFN100	100	(690)	25	(95)	---	---	---	---	---	---
HFN150	100	(690)	---	---	---	---	---	---	86	(326)
HPFN150	275	(1040)	---	---	---	---	---	---	130	(492)

## Domestic Rack Nozzles

## Features

- Delivers 30° - 60° - 90° fog pattern - shut-off - straight stream - fog
- Supplied without bumper

## Approvals

- UL listed and Factory Mutual approved for class A and B fires
- Products are to be reapproved; data subject to change in coming months

## Specification

- Maximum operating pressure: **100 PSI**  
(water only) at **70°F (21°C)**

Size	Thread	Wide Open GPM @ 100 PSI	Brass Part #
1-1/2"	NST (NH) NPSH	100	BRN150NST BRN150

NOTE: Replacement washers can be found on page 19



## Global Rack Nozzles

## Features

- Delivers 30° - 60° - 90° fog pattern - shut-off - straight stream - fog
- Supplied without bumper

## Approvals

- UL listed and Factory Mutual approved for class A and B fires
- New UL and FM approvals are pending due to change in standard UL 401
- Products are to be reapproved; data subject to change in coming months

## Specification

- Maximum operating pressure: **100 PSI**  
(water only) at **70°F (21°C)**

Size	Thread	Wide Open GPM @ 100 PSI	Brass Part #
1-1/2"	NST (NH) NPSH	100	BRN150NST-I BRN150S-I

NOTE: Replacement washers can be found on page 19

