

## **FIRE HOSE RACK**

**BRAND NAME** : **DIXON-POWHATAN**  
**COUNTRY** : **U.S.A.**  
**MODEL :** **30-333**  
**SIZE** : **1.5" x 100 FT.**  
**APPROVED** : **UL/FM APPROVED**

## **MATERIAL OF CONSTRUCTION AND ACCESSORIES**

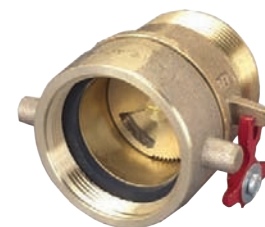
**CONSIST OF** : **MODEL 18-158, 1.5" UL/FM APPROVED  
CAST BRASS ANGLE VALVE**  
: **MODEL 14-136, 1.5" POLISHED BRASS  
HOSE RACK NIPPLE**  
: **MODEL 30-333, 1.5" UL/FM APPROVED  
STEEL FIRE HOSE RACK**  
: **"DIXON" MODEL RACK HOSE RBS/F SERIES  
SIZE 1.5" x 100 FT., FM APPROVED  
100% SYNTHETIC, SINGLE JACKET  
WITH BRASS PIN LUG COUPLING 1.5"**  
: **MODEL 02-465, 1.5" UL/FM APPROVED  
ADJUSTABLE FOG NOZZLE**

## Adjustable Pressure Restricting Device



- material: *cast brass*
- intended for installation on Class I or Class III standpipe system hose outlets
- Use of this device restricts pressure in the piping system to such a degree that hose lines can be handled by persons untrained in the handling of heavy fire streams.
- New York City Board of Standards and Appeals, approval # MEA 54-07-E
- 2½" U/L listed
- working pressure: **175 PSI**

Female Thread	Male Thread	Part #	Powhatan Part #	Wt. Lbs.
1½" NH (NST)	1½" NH (NST)	<b>APRD150F</b>	18-255-00102	3.0
2½" NH (NST)	2½" NH (NST)	<b>APRD250F</b>	18-255-00011	4.3
2½" NYC	2½" NYC	<b>APRD250NYC</b>	18-255-00015	4.4
1½" NYFD	1½" NYFD	<b>APRD150NYFD</b>	18-255-00105	3.1
2½" NYFD	2½" NYFD	<b>APRD250NYFD</b>	18-255-00019	4.5



female x male  
18-255

## Domestic Cast Angle Hose Valves

18-157 / 18-158



- U/L listed and FM approved
- material: *cast brass with an aluminum hand wheel*
- working pressure: **300 PSI**

Inlet Female NPT	Outlet Male Thread	Part #	Powhatan Part #	Wt. Lbs.
1½"	1½" NH (NST)	<b>AV150</b>	18-157-00010	4.4
	1½" NYFD	<b>AV150NYFD</b>	18-157-00016	4.4
	1½" NPSH	<b>AV150S</b>	18-157-00005	4.4
	1½" NPT	<b>AV150T</b>	18-157-00329	4.4
	2½" NH (NST)	<b>AV250</b>	18-157-00388	9
2½"	2½" NYC	<b>AV250NYC</b>	18-157-00391	9
	2½" NYFD	<b>AV250NYFD</b>	18-157-00412	9
	2½" PITT	<b>AV250PITT</b>	18-157-00387	9
	2½" NPSH	<b>AV250S</b>	18-157-00426	9



female x male  
18-157



female x female  
18-158

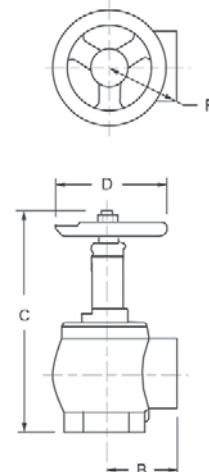
Inlet Female NPT	Outlet Female NPT	Part #	Powhatan Part #	Wt. Lbs.
1½"	1½"	<b>AVF150</b>	18-158-00004	3.6
2½"	2½"	<b>AVF250</b>	18-158-00055	9.5

### Replacement Parts

Description	Part #	Powhatan Part #	Wt. Lbs.
handwheel for 1½" valve	<b>AV150-W</b>	46-019-01455	.22
handwheel for 2½" valve	<b>AV250-W</b>	46-019-01456	.32
handwheel nut for 1½" valve	<b>AV150-N</b>	46-011-00948	.01
handwheel nut for 2½" valve	<b>AV250-N</b>	46-011-00947	.01
valve seal rubber for 1½" valve	<b>AV150-RBR</b>	46-012-01415	.03
valve seal rubber for 2½" valve	<b>AV250-RBR</b>	46-012-01416	.10

### Dimensions

Size	A	B	C closed	C open	D	F
1½"	2-11/64"	2-7/32"	6-5/8"	7-21/32"	3-3/4"	2-13/16"
2½"	3-3/16"	3-3/16"	9-1/4"	11"	5"	3-19/32"





## 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

## Brass Plain Hose Nozzles

- material: *brass*
- finish: *satin*
- for use up to **100 PSI** (water only)

Size	Thread	Length	Orifice	Part #	Powhatan Part #	Wt. Lbs
¾"	GHT	6"	1/4"	<b>BN6</b>	03-107-00005	0.4
¾"	NPSH	6"	1/4"	<b>BN7</b>	03-107-00001	0.4
1"	NPSH	8"	5/16"	<b>BN10</b>	03-107-00010	0.5
1¼"	NPSH	10"	3/8"	<b>BN12</b>	03-107-00026	1.0
1½"	NPSH	10"	1/2"	<b>BN15</b>	03-107-00049	1.1
2"	NPSH	12"	9/16"	<b>BN20</b>	03-107-00154	2.6
2½"	NPSH	12"	1"	<b>BN25</b>	03-107-00172	3.4
1"	NH (NST)	8"	5/16"	<b>BN10F</b>	03-107-00015	0.7
1½"	NH (NST)	10"	1/2"	<b>BN15F</b>	03-107-00053	1.2
2½"	NH (NST)	12"	1"	<b>BN25F</b>	03-107-00169	2.8
1½"	NYFD	10"	1/2"	<b>BN15NYFD</b>	03-107-00062	1.0
2½"	NYFD	12"	1"	<b>BN25NYFD</b>	03-107-00176	3.4



plain nozzle  
03-107

All nozzles are made to approved Dixon Powhatan specifications. The Powhatan part numbers provided in this chart are for quick reference purposes.

## Domestic Brass Rack Nozzles



- supplied without bumper
- delivers 30° - 60° - 90° fog pattern  
shut-off - straight stream - fog
- for use up to **100 PSI** (water only)
- U/L listed and Factory Mutual approved for class A and B fires

Size	Thread	90° Spray GPM @ 100 PSI	Part #	Powhatan Part #	Wt. Lbs.
1½"	NH (NST)	80	<b>BRN150NST</b>	02-465-00001	1.4



rack nozzle  
02-465

## Global Brass Rack Nozzles



- supplied without bumper
- delivers 30° - 60° - 90° fog pattern  
shut-off - straight stream - fog
- for use up to **100 PSI** (water only)
- U/L listed and Factory Mutual approved for class A and B fires

Size	Thread	90° Spray GPM @ 100 PSI	Part #	Wt. Lbs.
1½"	NH (NST)	80	<b>BRN150NST-I</b>	1.3



rack nozzle  
BRN150NST-I

# PRODUCT DATA SHEET

NOVEMBER 2012

## Dixon Rack Hose

### FEATURES

The Rack Hose is an all-polyester single jacket interior protection hose for buildings and plants. The Rack Hose is of lightweight and compact design, approximately half the weight of standard rubber lined single jacket hose. Resistant to most chemicals, petrol products, ozone & UV exposure, hydrolysis, rot & mildew.

Our liner process produces an amazingly thin but smooth inner waterway, yielding an extremely low friction loss for maximum flow.

This hose is intended for emergency use only, and is not recommended for regular use.

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.

### Part numbers:

DPR15-500-50RBS/F for 50' length brass NST folded  
DPR15-500-75RBS/F for 75' length brass NST folded  
DPR15-500-100RBS/F for 100' length brass NST folded

DPR25-500-50UC for 50' length un-coupled  
DPR25-500-75UC for 75' length un-coupled  
DPR25-500-100UC for 100' length un-coupled



ID (inch/mm)		Working Pressure (bar/psi)	Test Pressure (psi)	Burst Pressure (bar/psi)
1½"	38	10/150 FM, 14/200, 17/250 FM	500	31/450, 42/600, 51/750
2½"	65	10/150 FM, 14/200, 17/250 FM	500	31/450, 42/600, 51/750

### APPLICATION

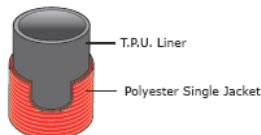
For indoor service, lightweight single jacket, lined hose or linen hose is most often used. The lining of the lightweight hose is thin enough so that the hose can be mounted on the semiautomatic pin type hose racks and laid out without jamming. The conventional fire hose for outdoor use cannot be mounted on these racks due to its heavier lining. This hose will jam the racks.

### COUPLINGS AVAILABLE

Aluminium & Brass NH/NST or IPT.

### CONSTRUCTION

Single jacket, polyester spun as warp, filament polyester as weft, circular plain weave.  
Tube: Extruded TPU elastomer – ozone and age resistant.



### STANDARD

FM approved and meets NFPA 1961 specifications.



### STANDARD LENGTH

50', 75', 100'

For more information contact Dixon on  
+65 6836 6779 or email [salessingapore@dixonvalve.com.au](mailto:salessingapore@dixonvalve.com.au)



The Right Connection™