

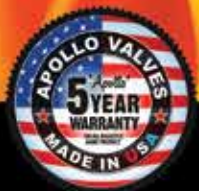
# FIRE PROTECTION PRODUCTS CATALOG



Double Check Assemblies  
Double Check Detectors  
Reduced Pressure Backflow  
Preventer Assemblies  
Reduced Pressure Detectors  
Dual Checks  
Pressure Relief Control Valves  
Pressure Regulators  
Control Valves  
Thermal Expansion Controls  
Ball Valves



American Made Quality since 1928







# FIRE PROTECTION BORN in the USA



## INTRODUCING OUR NEW **4A** BACKFLOW PREVENTERS SERIES

- Made in the USA 304 Stainless Steel bodies 2 1/2" – 8"
- Epoxy Coated Ductile Iron 10" & 12"
- Available in Double Check, Double Check Detector, Reduced Pressure, Reduced Pressure Detector assemblies
- Available in inline & "n" / "v" flow configurations for horizontal and vertical installations
- Features patented "Tri-Force" check assemblies with low, flat pressure losses
- Butterfly, OS&Y, and PI mix & match shutoff options
- MADE IN **USA**



learn more at [www.apollovalves.com](http://www.apollovalves.com) or call (704) 841.6000



follow us on   





# A history of Quality, Service and Innovation

Now in its ninth decade, Conbraco Industries, Inc. is a leading manufacturer of flow control products for U.S. and international markets. The company's headquarters is based in Matthews, North Carolina with manufacturing plants and foundries located in Pageland and Conway, South Carolina.

Conbraco has a history of new product development and innovation that dates back to the company's inception in 1928. Today, the Conbraco line of products is marketed under the "Apollo Valves" brand and includes: ball valves, butterfly valves, backflow prevention devices, water pressure reducing valves, mixing valves, safety relief valves, water gauges, strainers, actuation and APOLLOXPRESS® products.

Conbraco's vertically integrated manufacturing ensures a consistency of production, testing, quality and availability. You can be assured that Conbraco flow control products will deliver long term reliability. All manufacturing facilities are ISO 9001:2008 certified.

The Conbraco line continues to expand with new products, designs and advanced materials to better serve the needs of our customers. Markets served include: chemical processing, pulp and paper, petroleum, residential and commercial plumbing and heating, OEM, irrigation, water works, and fire protection.



**PAGELAND, SC**  
Bronze Foundry and Manufacturing Plant



**PAGELAND, SC**  
Final Assembly and Distribution Center



**CONWAY, SC**  
Steel Foundry and Manufacturing Plant



**MATTHEWS, NC**  
Corporate Headquarters

## TABLE OF CONTENTS

Double Check Valve Assemblies .....	4
Double Check Detector Assemblies .....	5
Reduced Pressure Assemblies .....	6
Reduced Pressure Detector Assemblies .....	7
FP Dual Check & Apollo Valve UL Ball Valves .....	8
Pressure Controls .....	9
Flow Curves and Bronze Backflow (1/2" – 2") Dimensions .....	10-16
Large Backflow (2-1/2" – 12") Dimensions .....	17-18
Warranty & Representative Contacts .....	19-20



For additional information, submittal sheets and manuals, visit [www.apollovalves.com](http://www.apollovalves.com)

**Customer Service (704) 841-6000**

# Fire Protection Products

In a fire line application, many factors should be considered: installation time, pressure loss, size, weight, vertical approvals, country of origin, cost, product support, and maintainability all play a role in specifying the best unit for the application. Apollo backflow preventers offer you the best of all of these factors with the 4A and 4An Series backflow assemblies that are designed, manufactured, assembled, and individually tested in Apollo's foundry and factories in South Carolina USA.

## Double Check Valve Assemblies

### FEATURES:

- Stainless steel body available 2-1/2" – 8"
- FDA epoxy coated ductile iron body available 2-1/2" – 12"
- Bronze body 1/2" – 2"
- Inline available 1/2" – 12"
- N-pattern available 2-1/2" – 12"
- Easiest Backflow Preventer to maintain
  - no special tools required
- Captured spring design for all checks 1/2" – 12"
- Mix & match shutoff options - OS&Y, butterfly or post indicator
- Consistently low pressure loss across the entire flow capacity of the assembly
- Patented "Tri-Force™" center stem guided check on 2-1/2" & larger 4A/4An Series
- Engineered swing check on 2-1/2" – 10" DC 4SG
- Approved for horizontal and vertical up installations
- UL/ULC classified, FM approved, ASSE, CSA, and USC (check factory for approval details, updates, and sizes)

*See page 11 for flow curves and page 18 for dimensions or go to [www.ApolloValves.com](http://www.ApolloValves.com) for more details.*

DC 4A Series



DC 4An Series



DC 4A Series



DC 4A Series



DC 4SG Series

## Double Check Detector Assemblies

### FEATURES:

- Stainless steel body available 2-1/2" – 8"
- FDA epoxy coated ductile iron body available 2-1/2" – 12"
- Type 1 & Type 2 bypass available
- Bronze body 1", 1-1/2", & 2" (Type 2 only)
- Inline available 1" & 1-1/2" – 12"
- N-pattern available 2-1/2" – 12"
- Easiest Backflow Preventer to maintain - no special tools required
- Captured spring design for all checks 1/2" – 12"
- Mix & match shutoff options - OS&Y, butterfly or post indicator
- Consistently low pressure loss across the entire flow capacity of the assembly
- Patented "Tri-Force™" center stem guided check on 2-1/2" & larger 4A/4An Series
- Engineered swing check on 2-1/2" – 10" DCDA 4SG
- Approved for horizontal and vertical installations
- UL/ULC classified, FM approved, ASSE, CSA, and USC (check factory for approval details, updates, and sizes)
- Bypass and shutoff handles available on either side

See pages 11-13 for flow curves and pages 17-18 for dimensions or go to [www.ApolloValves.com](http://www.ApolloValves.com) for more details.

DCDA2 4An Series



DCDA2 4A Series



DCDA2 4An Series  
(12" DCDA2 shown)



DCDA 4SG Series



DCDA2 4A Series



# Fire Protection Products

## Reduced Pressure Assemblies

### FEATURES:

- Stainless steel body: 2-1/2" – 8"
- FDA epoxy coated ductile iron body 10" & 12"
- Bronze body 1/2" – 2"
- Inline available 1/2" – 12"
- n-pattern available 2-1/2" – 12"
- Easiest Backflow Preventer to maintain - no special tools required
- Captured spring design for all checks 1/2" – 12"
- Consistently low pressure loss across the entire flow capacity of the assembly with Apollo Valves patented "Tri-Force™" center stem guided check on 2-1/2" – 12"
- Mix & match shutoff options - OS&Y, butterfly or post indicator
- Approved for horizontal 1/2" – 12"
- Approved for vertical up 2-1/2" – 12" - 4An only (check factory for details)
- UL/ULC classified, FM approved, ASSE, CSA, and USC (check factory for approval details, updates, and sizes)

See pages 14-16 for flow curves and pages 17-18 for dimensions or go to [www.ApolloValves.com](http://www.ApolloValves.com) for more details.

RP 4An Series



RP 4An Series



RP 4A Series



RP 4A Series



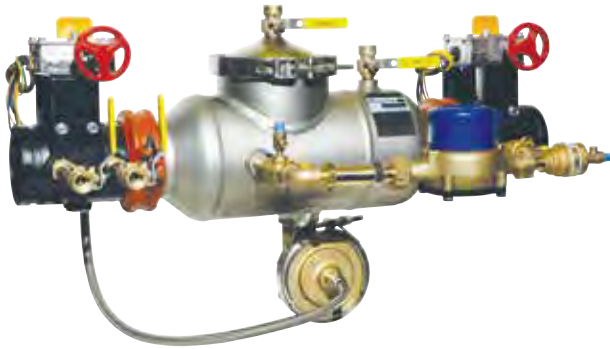
## Reduced Pressure Detector Assemblies

### FEATURES:

- Stainless steel body: 2-1/2" – 8"
- FDA epoxy coated ductile iron body 10" & 12"
- Type 1 & Type 2 bypass available
- Bronze body 1", 1-1/2", & 2" (Type 2 only)
- Inline available 1" & 1-1/2" – 12"
- n-pattern available 2-1/2" – 12"
- Easiest Backflow Preventer to maintain - no special tools required
- Captured spring design for all checks 1/2" – 12"
- Consistently low pressure loss across the entire flow capacity of the assembly with Apollo Valves patented "Tri-Force™" center stem guided check on 2-1/2" – 12"
- Mix & match shutoff options - OS&Y, butterfly or post indicator
- Approved for horizontal 1", 1-1/2" – 12"
- Approved vertical up 2-1/2" – 12" - 4An only (check factory for details)
- UL/ULC classified, FM approved, ASSE, CSA, and USC (check factory for approval details, updates, and sizes)
- Bypass and shutoff handles available on either side

See pages 14-16 for flow curves and pages 17-18 for dimensions or go to [www.ApolloValves.com](http://www.ApolloValves.com) for more details.

### RPDA2 4A Series



### RPDA2 4An Series



### RPDA2 4An Series



### RPDA2 4A Series (Left hand bypass option shown)



# Fire Protection Products

## Dual Check Valve

The Apollo DUC 4FP Series Dual Check Backflow Preventer for Residential Fire Sprinkler Systems prevents backflow by either backpressure or backsiphonage from a cross-connection between potable water lines and substances that are objectionable, but not health-hazards.

### FEATURES:

- Low Pressure Loss
- Replaceable Check Modules
- Pressure drop at 30 gpm is less than 6 psi
- Complies with NFPA Standard 13D
- 5 year, domestic warranty
- Maximum Supply Pressure 175 psi

- Temperature Range 33°F - 180°F
- ASSE 1024
- UL/ULC Classified
- CSA B64.6
- Made in the USA

See page 15 for flow curves or go to [www.ApolloValves.com](http://www.ApolloValves.com) for more details.



### MATERIALS

Part	Material
Body	Bronze (C84400)
Union Tailpiece	Brass
Union Nut	Brass
Check Modules	Acetal/Nitrile/Stainless Steel
Spacer	Glass-Filled Noryl®
O-Ring	EPDM

Contact local water authorities for installation/service requirements.

### FACTORY CODE

4FP3 X	X	X	X
INLET CONNECTION <sup>1</sup>	INLET SIZE	OUTLET SIZE	OUTLET CONNECTION <sup>1</sup>
A = FNPT C = Female Meter Thread	5 = 1" 6 = 1-1/4" (Meter thread sizing for 1" meter)	5 = 1" 6 = 1-1/4" (Meter thread sizing for 1" meter)	A = FNPT B = MNPT E = Male Meter Thread

### Notes:

<sup>1</sup> Not all inlet and outlet combinations are available. Please contact Conbraco Customer Service for availability.

## Apollo Valve UL Products

### 77C-UL SERIES – BRONZE FULL PORT BALL VALVE FOR FIRE PROTECTION TRIM & DRAIN SERVICE

The Apollo® 77CUL series ball valve is a UL listed shutoff valve for trim and drain purposes for fire protection services. Cast, machined, assembled and tested in Apollo's South Carolina manufacturing plants, these valves feature a durable bronze body, premium "multi-fill" MPTFE seats and stem packing, and a "Solid Ball" design that delivers true full port flow performance.



### FEATURES:

- Multi-Fill PTFE Seats & Seals
- Blow-out Proof Stem Design
- Adjustable Stem Packing
- UL Listed for Fire Protection Service



### 94-A SERIES – FULL PORT BRASS BALL VALVE

The Apollo® International 94A forged brass ball valves combine reliable operation with maximum economy. Ideal for plumbing, HVAC and gas service applications. Valves include most pertinent agency approvals.



### FEATURES:

- Full-Port
- Blow-out Proof Stem Design
- Adjustable Stem Packing
- UL Listed for Fire Protection Service





# Fire Protection Products

## Pressure Controls



**129FC Series**

### CONTROL VALVES

#### 129FC – PRESSURE REDUCING

- Automatically reduces high pressure in the system
- Eliminates pressure fall off
- Approvals - UL 300 psi
- Sizes 1-1/2" – 8" (check specification sheet for connections)
- Pressure set range 50 - 165 psi
- Globe/Flanged/Grooved/Screwed connections
- Made in the USA



**108FC Series**

#### 108FC – FIRE PUMP RELIEF VALVE

- Automatically relieves excess fire pump discharge pressure
- Approvals - UL/FM
- Sizes 3" – 8"
- Pressure relief setting range:
  - UL: 60 - 175 psi (3" – 8") or 100 - 300 psi (3" – 6")
  - FM: 60 - 180 psi (3" – 8")
- Globe/Angle and Flanged
- Made in the USA



**1330FC**

### PRESSURE RELIEF

- Normally closed, increasing inlet pressure opens valve
- Relieves line pressure created by buildup
- Local sense line (self-contained sense loop)
- Available in 1/2" NPTF
- Approvals - UL Control Number 39TZ
- Pressure relief setting range 60 - 175 psi
- Acceptable for thermal expansion
- Made in the USA



**16 500 Series**

### CALIBRATED RELIEF VALVES

- Choice of 1/2" or 3/4" inlet by 1/2" outlet
- Pressure range 50 - 175 psi, calibrated in 25 psi increments
- Cast bronze body, stainless steel spring
- Acceptable for thermal expansion
- Made in the USA



**40XT Series**

### THERMAL EXPANSION TANK

- Drawn steel construction
- Powder coat finish
- Field adjustable (max pressure 150 psi)
- Corrosion resistant liner connection
- Made in the USA

# Fire Protection Products

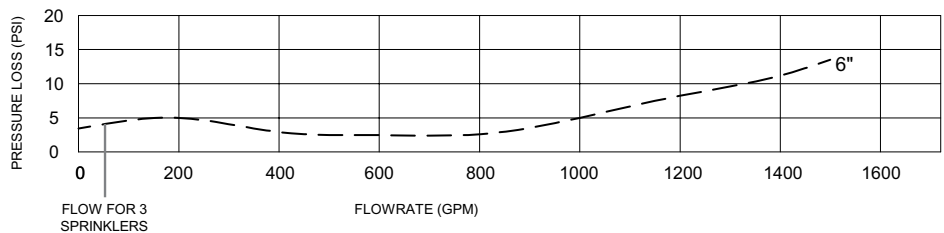
## ***Pressure Drop – What It Means and When It's Critical***

Pressure drop is the amount of pressure loss through the backflow prevention assembly during different flowing conditions. There is no such measurement as a single pressure loss throughout the entire flow of each assembly, it is a varying measurement depending on flow amount. When lives are in danger and pressure is at a premium, make sure that you receive information on pressure loss that is truly what the valve is doing during the flowing conditions that are critical.

Apollo Valves publishes and will make available the FCCCHR@USC flow curves. If pressure is truly at a minimum in a life threatening situation, make sure that your design and performance information is accurate.

**You can count on Made in the USA.**

**You can count on Apollo Valves.**



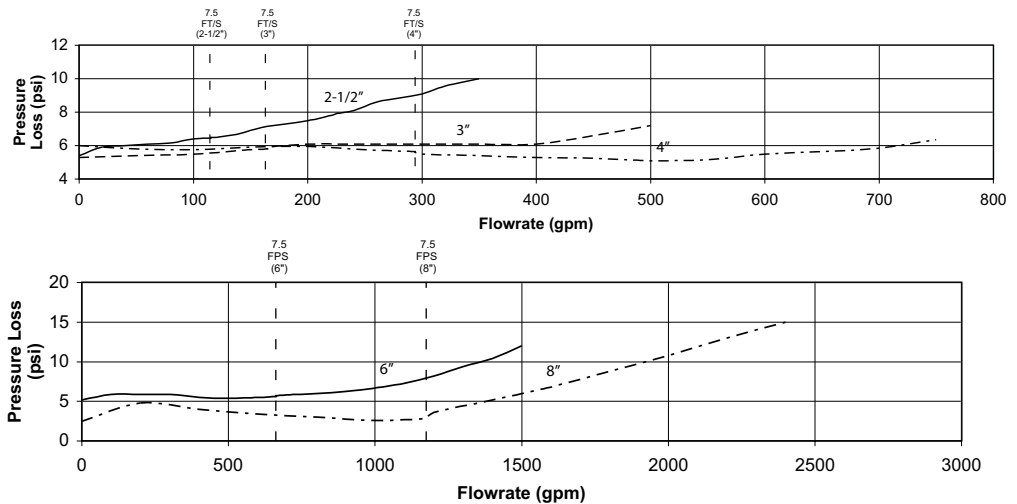


# Fire Protection Products

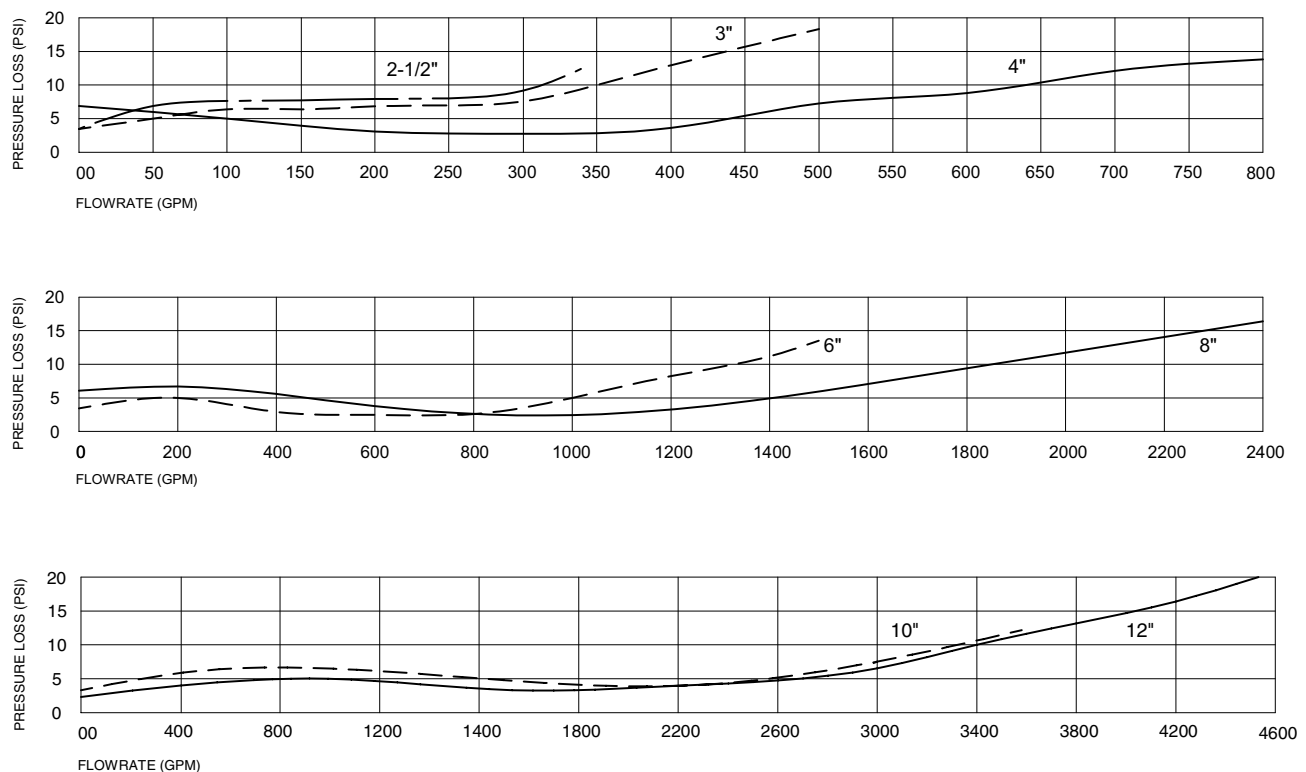
## Flow Curves



**DC 4SG & DCDA 4SG**



**DC 4A (LBF) & DCDA 4A**



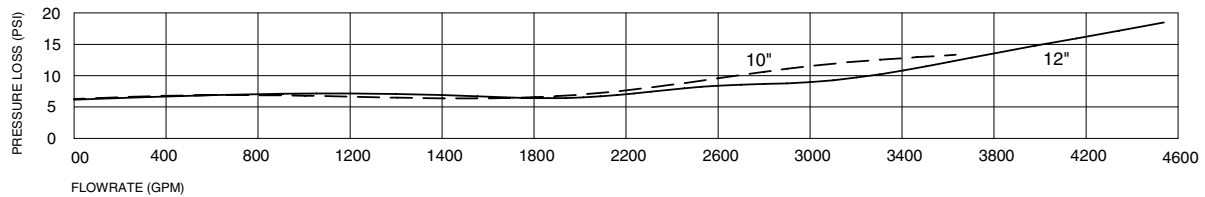
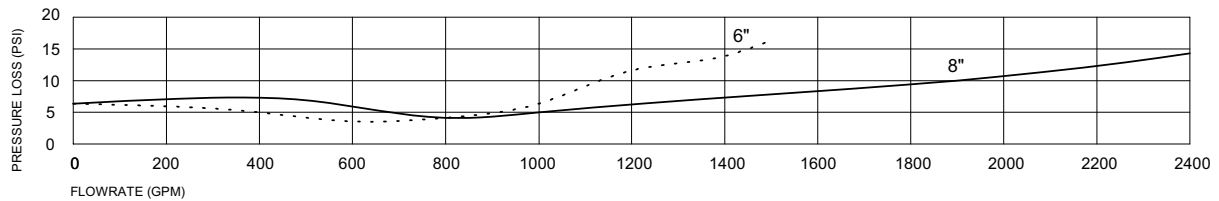
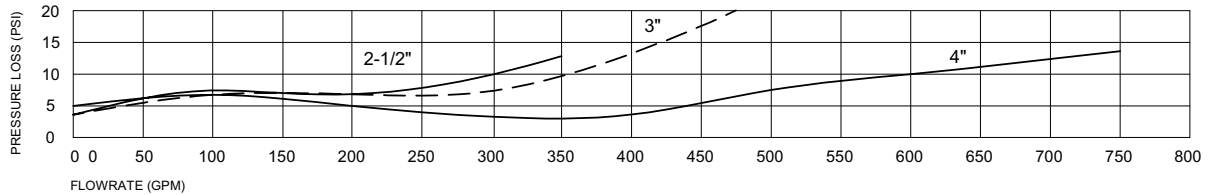
Apollo pressure loss curves developed from USC FCCC & HR approval curves.

# Fire Protection Products

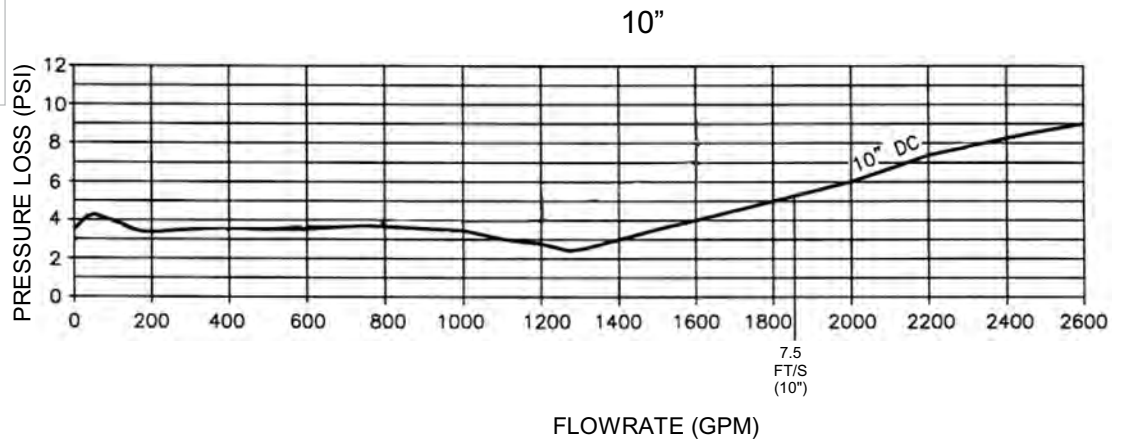
## Flow Curves



**DC 4An & DCDA 4An**



**DC 4S & DCDA 4S (10" - Flanged Internal Connections Only)**



Apollo pressure loss curves developed from USC FCCC & HR approval curves.



# Fire Protection Products

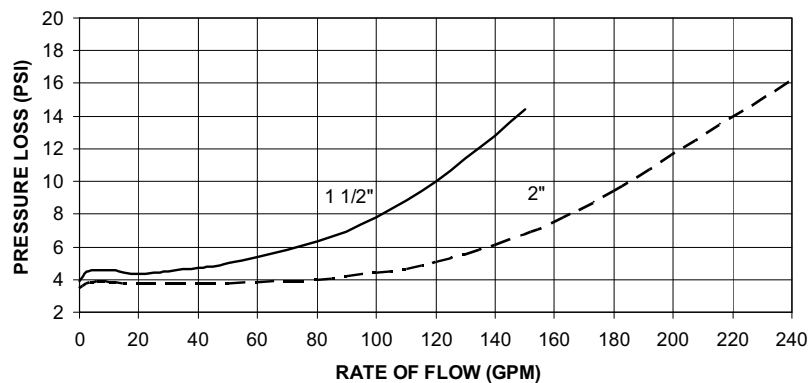
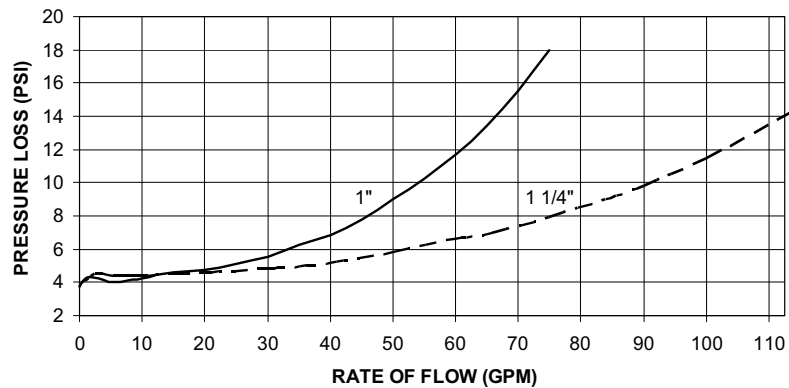
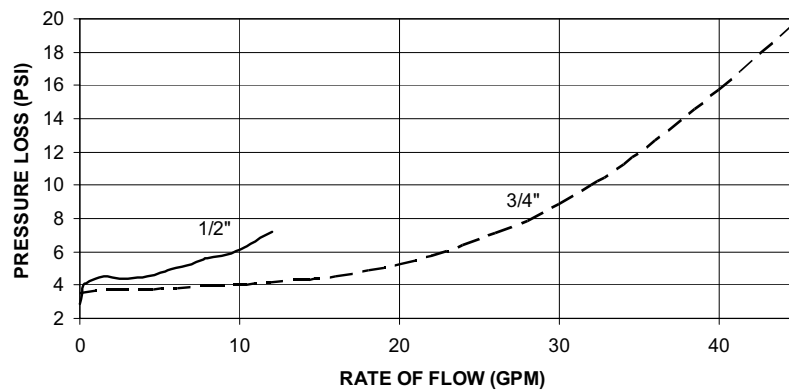
## Flow Curves



### DC 4A

#### DIMENSIONS

Factory No.	Size	A	B	C	D	Net Wt. Lbs.
4A 103 T2	1/2"	11-1/8	7-3/8	3-1/4	2-1/2	4.4
4A 104 T2	3/4"	12-3/4	8-1/2	3-1/2	3	6.0
4A 105 T2	1"	14-5/8	9-1/2	4	3-1/4	10
4A 106 T2	1-1/4"	18-5/8	11-3/4	4-1/2	4-3/4	14
4A 107 T2	1-1/2"	18-3/4	11-5/8	4-1/2	4-3/4	17
4A 108 T2	2"	21-1/8	12-3/4	5	5-3/8	25.4



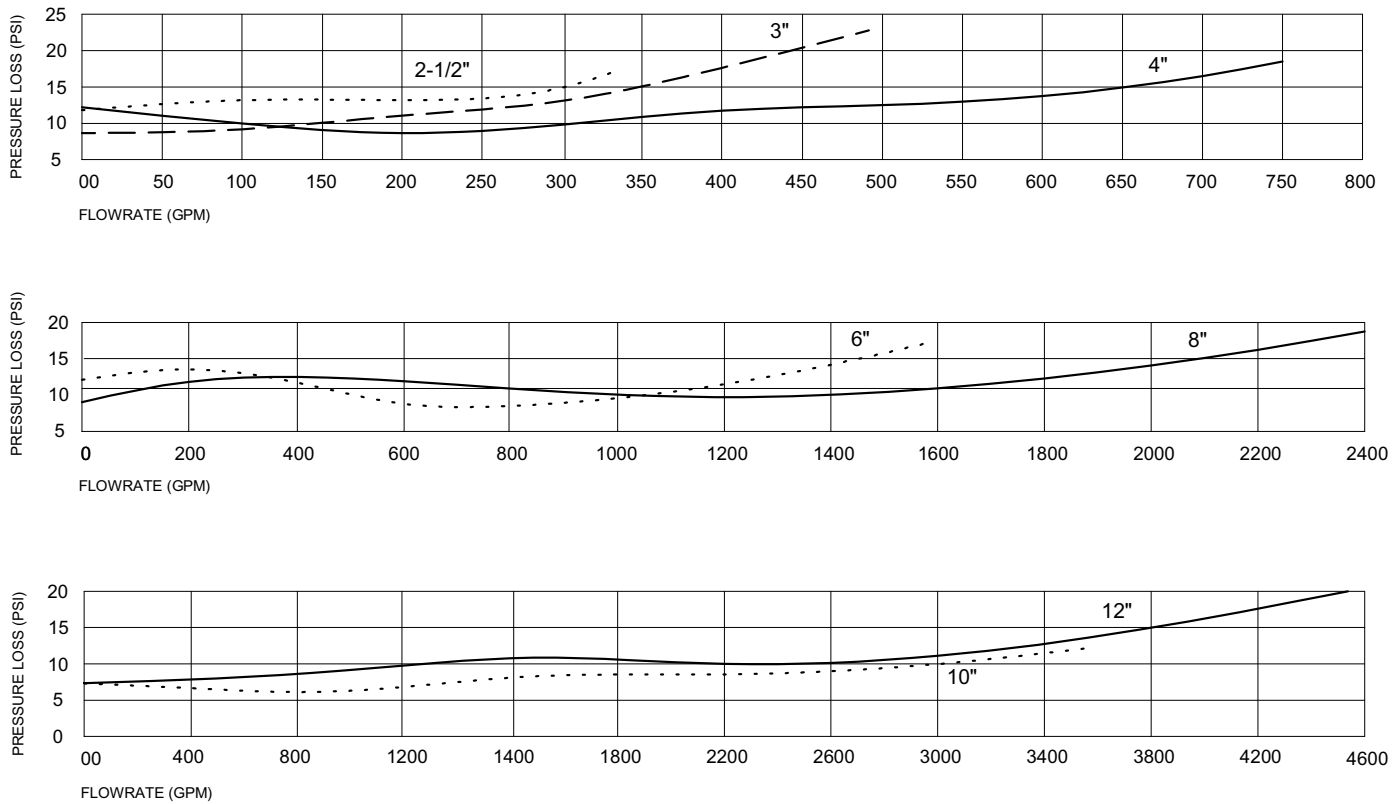
Apollo pressure loss curves developed from USC FCCC & HR approval curves.

# Fire Protection Products

## Flow Curves



RP 4A (LBF) & RPDA 4A



Apollo pressure loss curves developed from USC FCCC & HR approval curves.

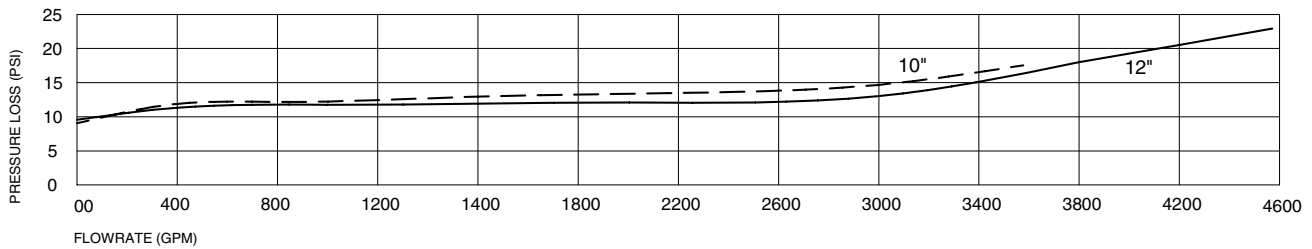
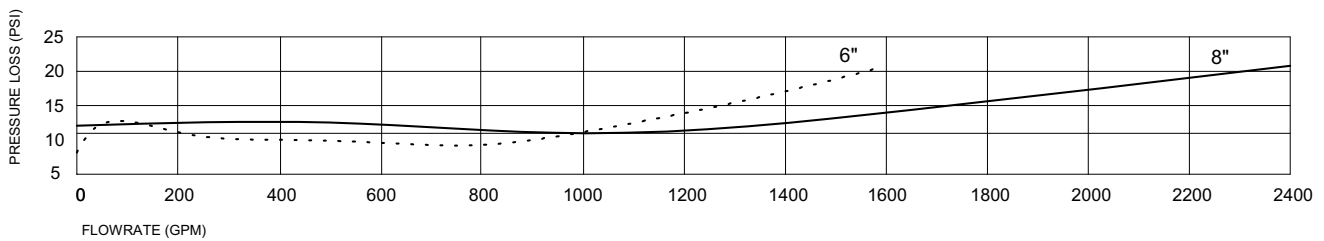
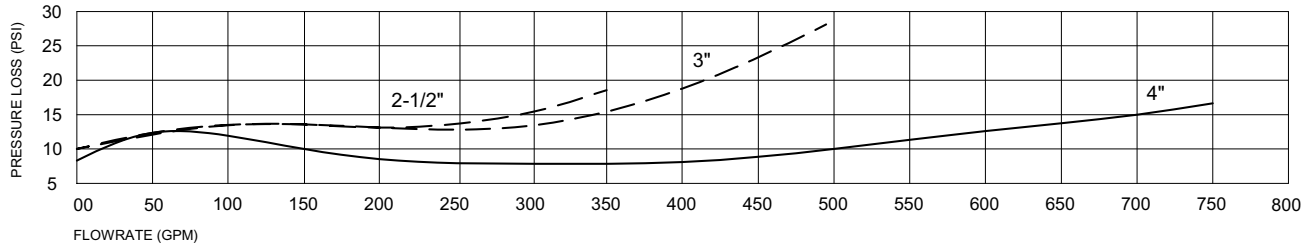


# Fire Protection Products

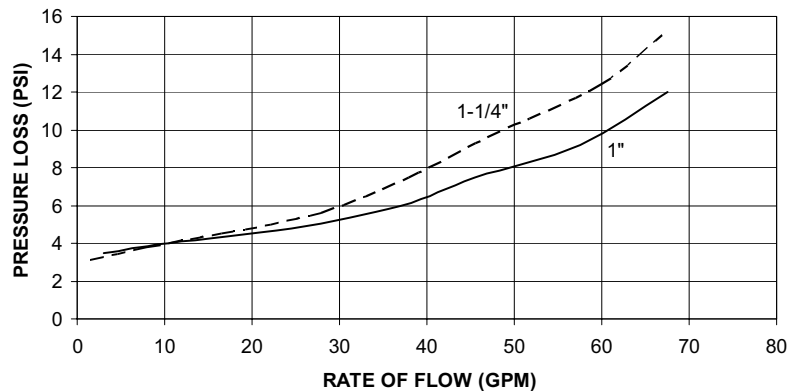
## Flow Curves



**RP 4An (LBF) & RPDA 4An**



**DUC-4FP**



Apollo pressure loss curves developed from USC FCCC & HR approval curves.

# Fire Protection Products

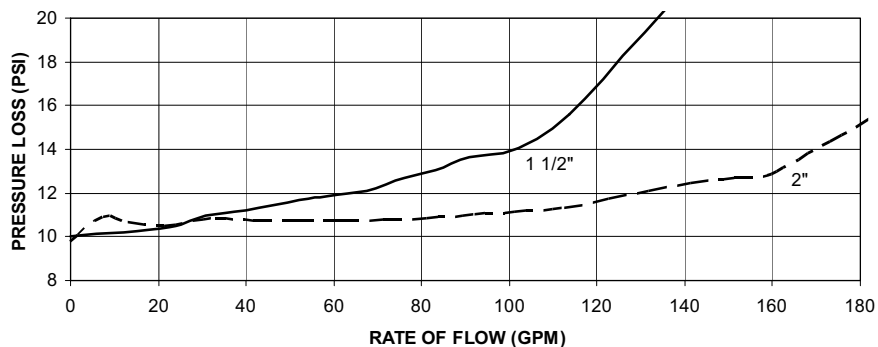
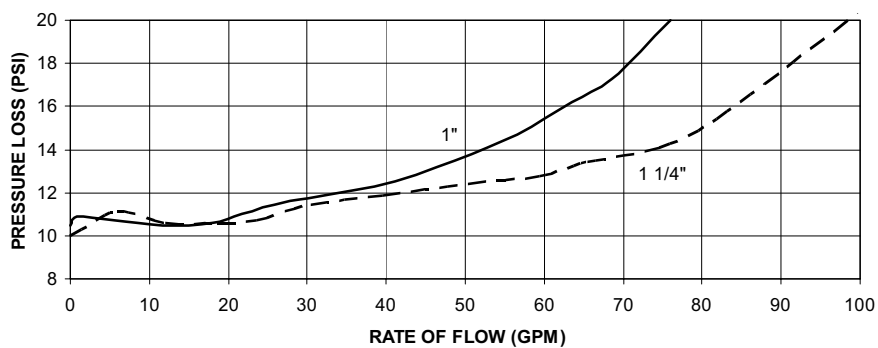
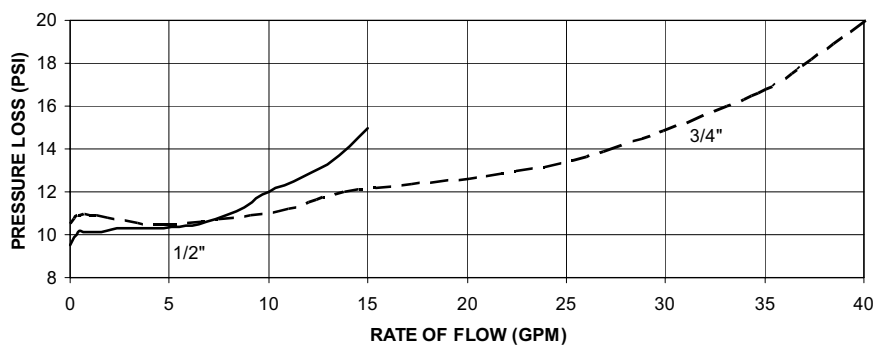
## Flow Curves



### RP 4A

#### DIMENSIONS

Factory No.	Size	A	B	C	D	E	F	Net Wt. Lbs.
4A 203 T2	1/2"	11-1/8	7-3/8	7-1/8	2-7/8	3-1/4	3-7/8	7.2
4A 204 T2	3/4"	12-3/4	8-1/2	7-3/8	3-1/8	3-1/2	3-7/8	8.8
4A 205 T2	1"	14-5/8	9-1/2	8	3-1/4	4	4	12.6
4A 206 T2	1-1/4"	18-5/8	11-3/4	9-7/8	5-1/8	4-1/2	5-3/8	18.5
4A 207 T2	1-1/2"	18-3/4	11-5/8	9-7/8	5-1/8	4-1/2	5-3/8	21.5
4A 208 T2	2"	21-1/8	12-3/4	11	5-7/8	5	6	33.4

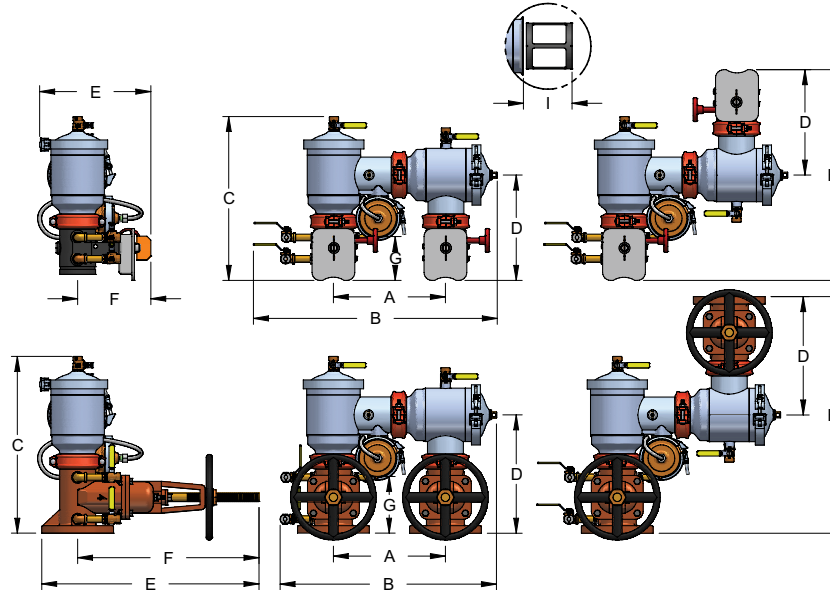


Apollo pressure loss curves developed from USC FCCC & HR approval curves.

# Fire Protection Products

## Dimensions

### RP 4An & RPDA 4An – DC 4An & DCDA 4An



Nominal dimensions are shown. Allowances must be made for manufacturers' tolerances ( $\pm 1/8"$  (3 mm) per joint)

DIMENSIONS	2-1/2"	60mm	3"	75mm	4"	100mm	6"	150mm	8"	200mm	10"	250mm	12"	300mm
A (Centerline to Centerline)	12-1/2 $\pm$	318 $\pm$	12-1/2 $\pm$	318 $\pm$	14 $\pm$	356 $\pm$	16 $\pm$	406 $\pm$	18-1/2 $\pm$	470 $\pm$	21 $\pm$	533 $\pm$	26-3/4 $\pm$	675 $\pm$
B (Butterfly Valves)	27-1/2 $\pm$	699 $\pm$	27-1/2 $\pm$	699 $\pm$	30-3/4 $\pm$	781 $\pm$	36 $\pm$	914 $\pm$	37-3/8 $\pm$	949 $\pm$	43 $\pm$	1092 $\pm$	N/A	N/A
B (Gate Valves)	24-1/2 $\pm$	622 $\pm$	24-1/2 $\pm$	622 $\pm$	27 $\pm$	686 $\pm$	32 $\pm$	813 $\pm$	40-3/4 $\pm$	1035 $\pm$	49 $\pm$	1245 $\pm$	55-3/4 $\pm$	1416 $\pm$
C (Butterfly Valves)	18-1/4	468	18-1/2	470	20	508	24-3/4	629	28-1/2	724	35	889	N/A	N/A
C (Gate Valves)	19-5/8	498	20	508	22-1/2	572	27-3/4	705	32-1/8	816	40	1016	44	1118
D (Butterfly Valves)	11-1/2	292	11-3/4	298	12-1/2	318	14-1/2	368	17-7/8	454	19-3/4	502	N/A	N/A
D (Gate Valves)	13	330	13-1/2	343	14-7/8	378	18	457	21-3/8	543	24-3/4	629	28-3/4	730
E (Butterfly Valves)	11-1/2	292	12-1/8	308	12-7/8	327	15-7/8	403	22-1/4	565	23-1/8	587	N/A	N/A
E (OS&Y Open)	19-7/8	505	24-1/2	622	27-1/4	692	32-3/4	832	44-1/2	1130	54	1372	62-3/4	1594
E (NRS/PI)	14-7/8	378	16-1/8	410	19-1/4	489	24-1/2	622	29-1/4	740	36-3/8	924	40	1016
F (Butterfly Valves)	8	203	8-3/8	213	9	229	10-7/8	277	12-7/8	327	13-1/2	343	N/A	N/A
F (OS&Y Open)	16-3/8	416	20-1/2	521	22-3/4	578	28	711	37-3/4	959	46	1168	53-1/8	1349
F (NRS/PI)	11-3/8	289	12-3/8	314	14-3/4	375	19	483	22-1/2	572	26-1/2	673	30	762
G (Butterfly Valves)	4-1/8	105	4-1/2	114	4-3/8	111	6-1/2	165	5-1/4	133	4	102	N/A	N/A
G (Gate Valves)	5-1/2	140	6	152	6	152	9	229	9	229	9	229	10	254
H (Butterfly Valves)	23	584	23-1/2	597	25	635	29	737	35-3/4	908	N/A	N/A	N/A	N/A
H (Gate Valves)	26	660	27	686	29-3/4	756	36	914	42-3/4	1086	N/A	N/A	N/A	N/A
I (Check Removal Clearance)	6	152	6	152	6	152	8	203	8-1/2	216	12	305	12	305
Test Cocks (NPT)	1/2"	15	1/2"	15	1/2"	15	3/4"	20	3/4"	20	3/4"	20	3/4"	20
<b>WEIGHTS</b>	lb.	kg	lb.	kg	lb.	kg	lb.	kg	lb.	kg	lb.	kg	lb.	kg
Net Wt. (Less Shut-offs)	39	18	39	18	48	22	83	38	325	147	841	381	966	438
Net Wt. (w/ Butterfly Valves)	66	30	69	31	92	42	151	69	456	207	1019	462	N/A	N/A
Net Wt. (w/NRS Gate Valves)	125	57	150	68	197	89	322	146	788	357	1487	674	2103	954
Net Wt. (w/ OS&Y Gate Valves)	135	61	160	73	203	92	332	151	802	364	1509	684	2157	978

#### Notes:

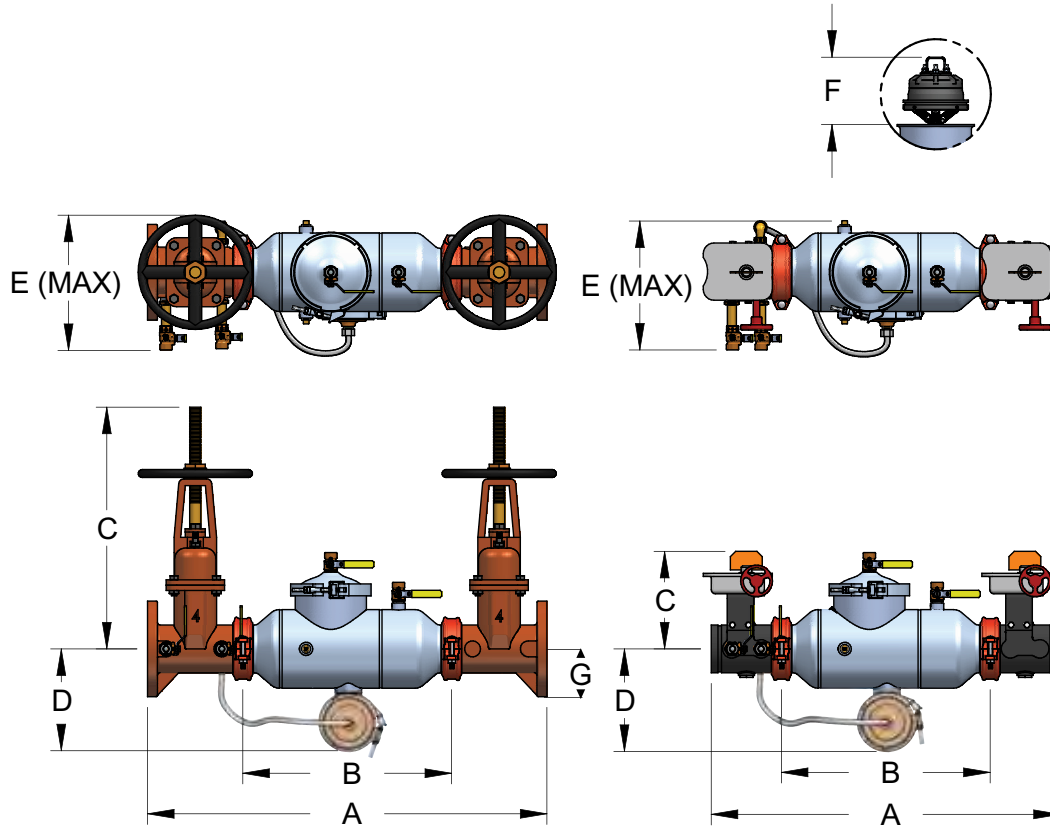
1. Internal body connections are grooved on 2-1/2"-10" sizes.
2. Internal body connections are flanged on 12" size.



# Fire Protection Products

## Dimensions

### RP 4A & RPDA 4A – DC 4A & DCDA 4A



Nominal dimensions are shown. Allowances must be made for manufacturers' tolerances ( $\pm 1/8"$  (3 mm) per joint)

DIMENSIONS	2-1/2"	60 mm.	3"	75 mm.	4"	100 mm.	6"	150 mm.	8"	200 mm.	10"	250 mm.	12"	300 mm.
A (Butterfly Valves)	28	711 ±	28-1/2 ±	724 ±	33-1/4 ±	845 ±	38-7/8 ±	987 ±	46-3/8 ±	1178 ±	52-1/4 ±	1327 ±	N/A	N/A
A (Gate Valves)	31 ±	787 ±	32 ±	813 ±	38 ±	965 ±	45-7/8 ±	1165 ±	53-3/8 ±	1356 ±	62-1/4 ±	1581 ±	62-1/2 ±	1586 ±
B (Less Shut-off Valves)	15-7/8 ±	403 ±	15-7/8 ±	403 ±	19-5/8 ±	498 ±	24-1/2 ±	622 ±	30 ±	762 ±	36 ±	914 ±	37 ±	940 ±
C (Butterfly Valves)	8	203	8-3/8	213	9-1/8	233	10-1/8	257	12	306	13-3/8	340	N/A	N/A
C (NRS/PI Gate Valves)	11-3/8	289	12-3/8	314	14-3/4	375	19	483	22-1/2	572	26-1/2	673	30	762
C (OS&Y Open)	16-3/8	416	18-7/8	479	22-3/4	578	30-1/8	765	37-3/4	959	45-3/4	1162	53-1/8	1349
D (Centerline to bottom)	9-5/8	238	9-5/8	238	10-3/8	264	11-5/8	295	15-5/8	397	21	533	21	533
E (Width Max)	11-1/2	292	12	305	12-1/2	318	14-3/8	365	17-5/8	449	21	533	22	559
F (Check Removal Clearance)	4-3/4	121	4-3/4	121	6-1/2	165	7-1/2	191	7-1/2	191	10	254	10	254
G (Center to Bottom)	3-7/8	98	3-7/8	98	4-5/8	117	6	152	8-1/8	206	8	203	9-1/2	241
Test Cocks (NPT)	1/2"	15	1/2"	15	1/2"	15	3/4"	20	3/4"	20	3/4"	20	3/4"	20
<b>WEIGHTS</b>	<b>lb.</b>	<b>kg</b>	<b>lb.</b>	<b>kg</b>	<b>lb.</b>	<b>kg</b>	<b>lb.</b>	<b>kg</b>	<b>lb.</b>	<b>kg</b>	<b>lb.</b>	<b>kg</b>	<b>lb.</b>	<b>kg</b>
Net Wt. (Less Shut-offs)	31	14	32	5	48	22	84	38	228	103	762	346	865	392
Net Wt. (w/ Butterfly Valves)	58	26	62	28	92	42	152	69	359	163	980	445	N/A	N/A
Net Wt. (w/NRS Gate Valves)	117	53	143	65	197	89	323	147	691	313	1608	729	2003	909
Net Wt. (w/ OS&Y Gate Valves)	127	58	153	69	203	92	333	151	705	320	1648	748	2057	933

Notes:

1. Internal body connections are grooved on 2-1/2"-10" sizes.
2. Internal body connections are flanged on 12" size.

# Fire Protection Products

## WARRANTY AND LIMITATIONS OF LIABILITY

Conbraco Industries, Inc. warrants, to its initial purchaser only, that its products which are delivered to this initial purchaser will be of the kind described in the order or price list and will be free of defects in workmanship or material for a period of **FIVE years** from the date of delivery to you, our initial purchaser. This warranty applies to Apollo brand product with "Made in the USA" markings only.

Should any failure to conform to this warranty appear within FIVE years after the date of the initial delivery to our initial purchaser, Conbraco will, upon written notification thereof and substantiation that the goods have been stored, installed, maintained and operated in accordance with Conbraco's recommendations and standard industry practice, correct such defects by suitable repair or replacement at Conbraco's own expense.

APOLLO INTERNATIONAL PRODUCTS: Conbraco Industries, Inc. warrants its International products, to its initial purchaser only, that its international products which are delivered to this initial purchaser will be of the kind described in the order or price list and will be free of defects in workmanship or material for a period of TWO years from the date of delivery to you, our initial purchaser.

THIS WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHER WARRANTY OF QUALITY, WHETHER EXPRESSED OR IMPLIED, EXCEPT THE WARRANTY OF TITLE AND AGAINST PATENT INFRINGEMENT. Correction of non-conformities, in the manner and for the period of time provided above, shall constitute fulfillment of all liabilities of Conbraco to our initial purchaser, with respect to the goods, whether based on contract, negligence, strict tort or otherwise. It is the intention of Conbraco Industries, Inc. that no warranty of any kind, whether expressed or implied shall pass through our initial purchaser to any other person or corporation.

LIMITATION OF LIABILITY: Conbraco Industries, inc. SHALL NOT UNDER ANY CIRCUMSTANCES BE LIABLE FOR SPECIAL OR CONSEQUENTIAL DAMAGES SUCH AS, BUT NOT LIMITED TO, DAMAGES OR TO LOSS OF OTHER PROPERTY OR EQUIPMENT, LOSS OF PROFITS OR REVENUE, COST OF CAPITAL, COST OF PURCHASED OR REPLACEMENT GOODS, OR CLAIMS OF CUSTOMERS OF OUR INITIAL PURCHASER. THE REMEDIES OF OUR INITIAL PURCHASER, AND ALL OTHERS, SET FORTH HEREIN, ARE EXCLUSIVE, AND THE LIABILITY OF CONBRACO WITH RESPECT TO SAME SHALL NOT, EXCEPT AS EXPRESSLY PROVIDED HEREIN, EXCEED THE PRICE OF THE GOODS UPON WHICH SUCH LIABILITY IS BASED.

\* It is the end user's responsibility to confirm that items intended for use satisfy local codes and standards.



## APOLLO VALVES SALES MANAGERS & INTERNATIONAL REPS

		AREAS COVERED	EMAIL	PHONE	FAX
	REGIONAL SALES DIRECTORS				
	Brian Blalock	Commercial	brian.blalock@conbraco.com	704-614-3744	704-841-6021
	Mike Green	Industrial	mike.green@conbraco.com	704-841-6039	704-841-6021
FIRE	FIRE PROTECTION MANAGERS – APOLLO XPRESS FIRE				
	Brian Fiorisi	Central	brian.fiorisi@conbraco.com	574-524-6675	
	Sean Perry	West	sean.perry@conbraco.com	704-641-9167	866-422-1330
	Cary Wiley	East	cary.wiley@conbraco.com	678-642-3356	
COMMERCIAL	REGIONAL SALES MANAGERS – COMMERCIAL				
	Kevin Ashworth	Mid-Atlantic	kevin.ashworth@conbraco.com	757-272-6200	
	Steve Brown	Western	steve.brown@conbraco.com	425-985-5095	253-862-3548
	Andy Fretz	Canada	andy.fretz@conbraco.com	647-281-3161	905-761-6666
	Ben Lauletta	Northeast	ben.lauletta@conbraco.com	518-795-4629	
	Sean Perry	West - Backflow Prevention Products	sean.perry@conbraco.com	704-641-9167	
	Nick Shelley	South Central & Florida	nick.shelley@conbraco.com	214-790-4157	
	Bill Stanton	North Central	bill.stanton@conbraco.com	262-227-0584	
INDUSTRIAL	REGIONAL SALES MANAGERS – INDUSTRIAL				
	JR Fortenberry	Mountain States	jr.fortenberry@conbraco.com	480-824-8288	
	Ken Griffin	Southeast	ken.griffin@conbraco.com	704-621-9296	704-841-6021
	Sanford Pauly	Central	sanford.pauly@conbraco.com	513-716-7772	513-321-7717
	James Saldivar	South Central	james.saldivar@conbraco.com	832-776-5547	
	Jim Todman	Canada	jim.todman@conbraco.com	905-407-8385	905-761-6666
	Skip Wilson	West	skip.wilson@conbraco.com	760-330-3293	775-854-5722
INTERNATIONAL	INTERNATIONAL SALES REPS				
	Jose Arias	Mexico	jose.arias@conbraco.com	1-956-631-4542	1-956-631-4681
	JR Jefferson	Central & South America	jr.jefferson@conbraco.com	1-832-220-3783	
	Luke Liu	China	luke.liu@conbraco.com	86-411-869-02498	
	Brencliff Group	Australia	petermcl@brencliff.com	61-0477-223110	
	Pegler Yorkshire	United Kingdom	adrian.byrne@conbraco.com	44-7740-449858	
	Pegler Yorkshire Mid East	Middle East/India	peter.pydubai@gmail.com	971-4-454-2353	971-4-454-2352
		Europe/Africa/Israel	Contact Customer Service	1-704-841-6000	1-704-841-6021

current as of 4/12/13



For additional information, submittal sheets and manuals, visit [www.apollovalves.com](http://www.apollovalves.com)

**Customer Service (704) 841-6000**



## FIRE PROTECTION

### SALES & CUSTOMER SERVICE:

Phone: (704) 841-6000 Fax: (704) 841-6020



For other markets please visit [www.apollovalves.com](http://www.apollovalves.com)

	AGENCY	AREAS COVERED	EMAIL	PHONE	FAX
SOUTHEAST	<b>SOUTHEAST REGION REPS</b>				
	Mid South Marketing, Inc.	VA/MD/Washington DC/WV-East	michael.uecker@msmsales1.com	804-213-3801	804-213-3802
	Pro Marketing, Inc.	NC/SC/TN-East	sales@promarketinginc.net	864-578-4334	864-578-4889
	Spirit Group	FL (except Panhandle)	info@spiritgroupinc.com	407-291-6035	407-299-0378
	Tim Morales & Associates, Inc.	AL/FL Panhandle	sales@timmorales.com	251-602-8333	251-602-8339
	White Wolf Group	GA	info@whitewolfgroupinc.com	800-401-4870	888-908-9372
NORTHEAST	<b>NORTHEAST REGION REPS</b>				
	Conroy & Griese Sales, Inc.	NY-East/NJ-North	iezzi52@aol.com	856-429-2660	856-429-2230
	Layden Company	NY-Upstate/PA-East/DE/NJ-South	joejr@laydencompany.com	610-363-6657	877-529-3361
	Urell, Inc.	MA/New England States	apollo@urell.com	617-923-9500	617-926-9414
NORTH CENTRAL	<b>NORTH CENTRAL REGION REPS</b>				
	FourMation Sales	MN/ND/SD/WI-West	ryan@fourmationsales.com	763-420-6900	763-420-6993
	Marshall-Rodeno Heartland	NE/IA (Except River Counties)	dnaylor@marshallrodeno.com	303-575-6701	303-575-6706
	Midwest Spec	Northern OH, Western PA, WV	glsales@mwspec.com	330-538-0406	330-538-0410
	Midwest Spec	Southern OH, KY	rvsales@mwspec.com	800-755-7732	513-353-1589
	New Tech Marketing	Northern-IL/WI-East/IN/MI-UP/IA-River Counties	sales@new-techmarketing.com	630-378-4300	630-378-0343
	New Tech Marketing	MO/Southern IL/Northeast Kansas	ntm112@aol.com	618-394-0329	618-394-0427
	V.E. Sales Co., Inc.	MI (Except Upper Peninsula)	tomv@vesalesinc.com	586-774-7760	586-774-1490
SOUTH CENTRAL	<b>SOUTH CENTRAL REGION REPS</b>				
	NSC Marketing Group Inc.	OK	nsc_tulsa@sbcglobal.net	918-627-5340	918-664-1408
	PEPCO Sales & Marketing	TX	is@pepcosales.com	972-823-8700	972-823-8717
	Southern Marketing Group	MS/TN-West/AR/Bowie Cty.-TX	SMG49@bellsouth.net	901-547-0042	901-547-0035
WESTERN	<b>WESTERN REGION REPS</b>				
	Elmco Duddy	CA - South	tduddy@elmcoduddy.com	626-333-9942	626-855-4811
	Gordon & Associates	WA, OR, AK, Northern counties ID	laura@gordonandassoc.com	360-566-1470	360-566-1478
	HC Fletcher	CA - North	apollosales@hcfletcher.com	800-432-7047	949-660-9072
	Marshall-Rodeno Associated	ID-SE, NV-NE, UT, CO, MT, NM	dnaylor@marshallrodeno.com	303-575-6701	303-575-6706
	Southwestern Industrial Sales Co.	AZ, Nevada (except NE)	eduardop@sw-ind.com	480-458-5838	480-458-5843
CANADA	<b>CANADA REPS</b>				
	Barclay Sales Ltd.	British Columbia	jblair@barclaysales.com	604-945-1010	604-945-3030
	Conbraco Industries, Canada	178 Pennsylvania Ave., Unit 1, Concord, Ontario L4K 4B1	conbraco.canada@conbraco.com	905-761-6161	905-761-6666
	D & M Mechanical Sales	Ontario/East	don@dandmsales.ca	613-384-7084	613-384-3407
	Dynamic Agencies, Ltd.	Saskatchewan	doug.dynamicage@sasktel.net	306-343-1901	306-343-1901
	J. Levandier Sales, Inc.	NS, NB, PE & NL	vickie@jlevandiersales.com	506-858-1615	506-858-1084
	Kern Industries, Ltd.	Alberta-North	colin@kernind.com	780-451-2056	780-454-6687
	Kern Industries Calgary, Ltd.	Alberta-South	laura.wood@kernindustries.ca	403-730-7791	403-239-8179
	Key to the North Sales Agency, Inc.	Ontario-North	office@keytothenorth.net	705-867-1401	705-867-1606
	Task Controls, Inc.	Ontario	infotoronto@taskcontrols.com	416-291-3004	416-754-3481
	Tom Beggs Agencies Ltd.	Manitoba/NW Ontario	tba@mts.net	204-953-1900	204-774-6915
	Ventes Techniques Nimatec, Inc.	Quebec	nimatec@nimatec.com	450-691-9427	450-691-4949