

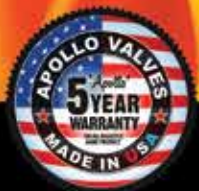
FIRE PROTECTION PRODUCTS CATALOG



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 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

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 for more details.

DC 4A Series



DC 4An Series



DC 4A Series



DC 4A Series



DC 4SG Series



Fire Protection Products

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 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 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 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

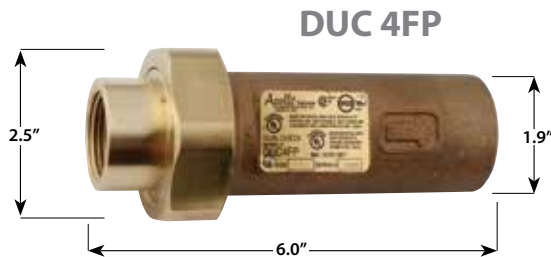
The Apollo DUC 4FP Series Dual Check Backflow Preventer for Residential Fire Sprinkler Systems prevents backflow by either backpressure or backsiphonage from a cross-connection between potable water lines and substances that are objectionable, but not health-hazards.

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 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 ¹	INLET SIZE	OUTLET SIZE	OUTLET CONNECTION ¹
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:

¹ 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

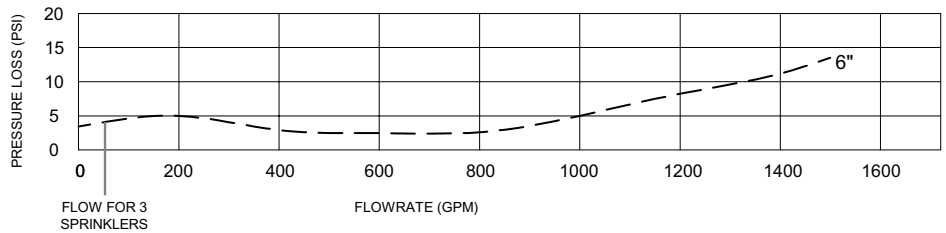
Pressure Drop – What It Means and When It's Critical

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.

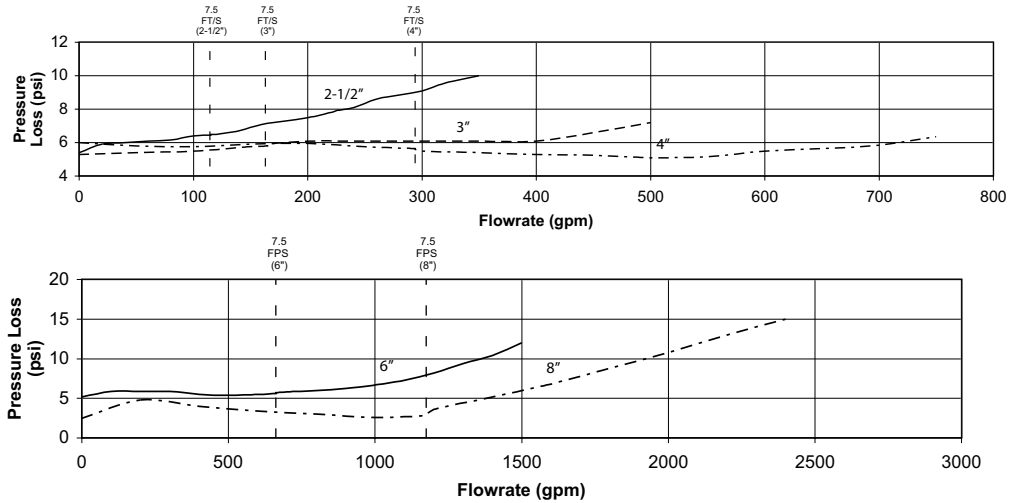


Fire Protection Products

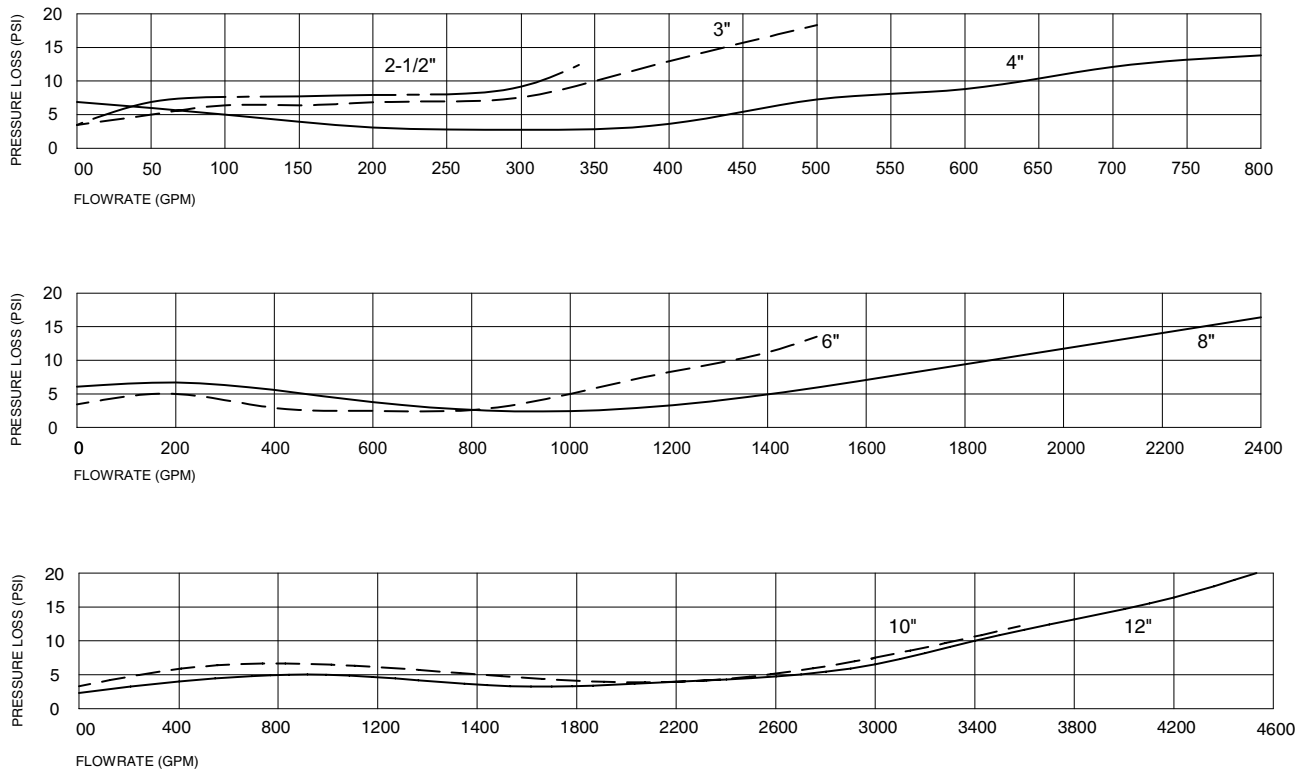
Flow Curves



DC 4SG & DCDA 4SG



DC 4A (LBF) & DCDA 4A



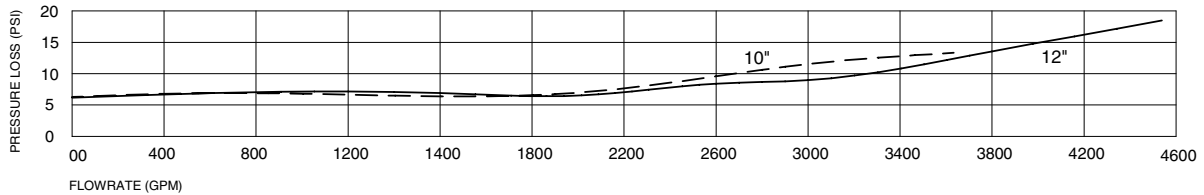
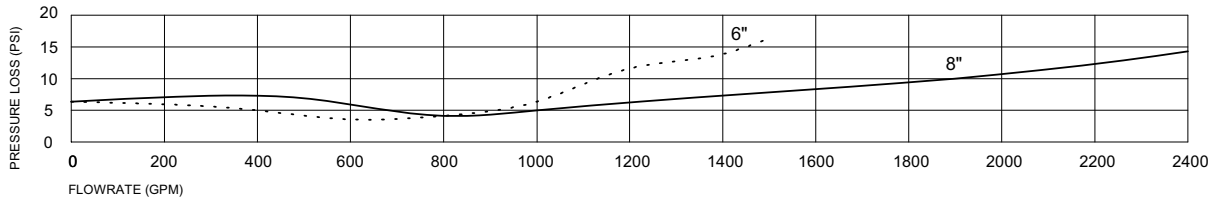
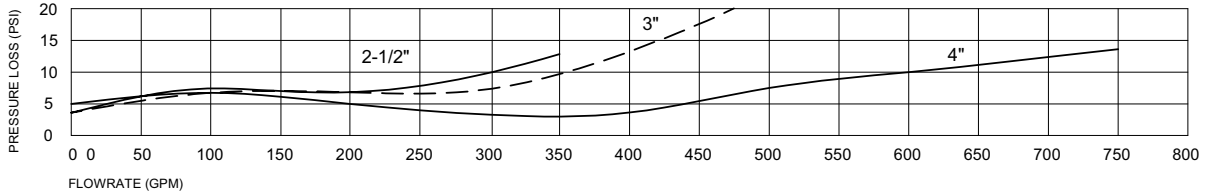
Apollo pressure loss curves developed from USC FCCC & HR approval curves.

Fire Protection Products

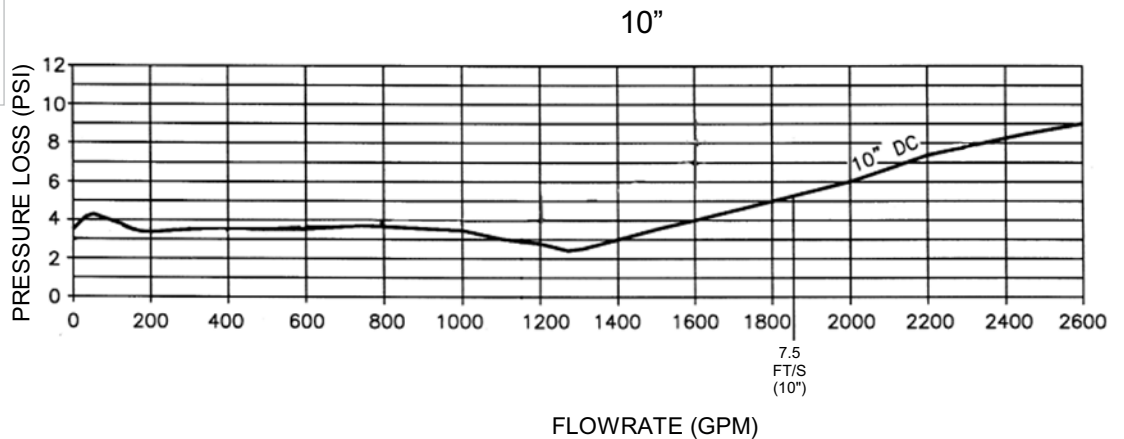
Flow Curves



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

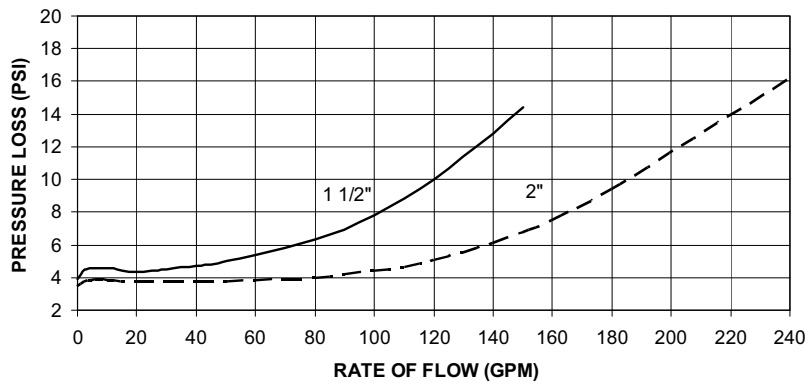
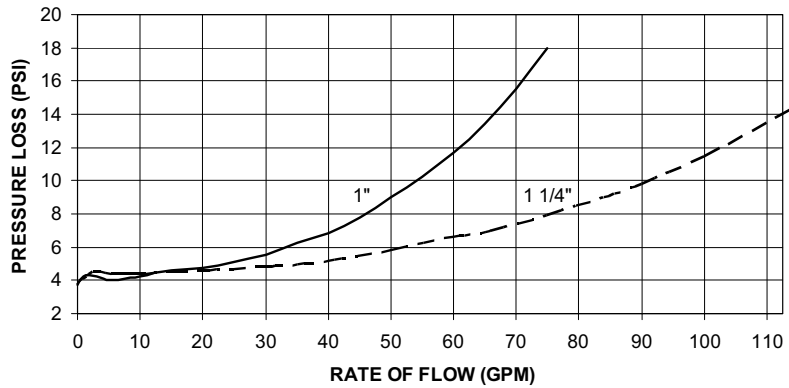
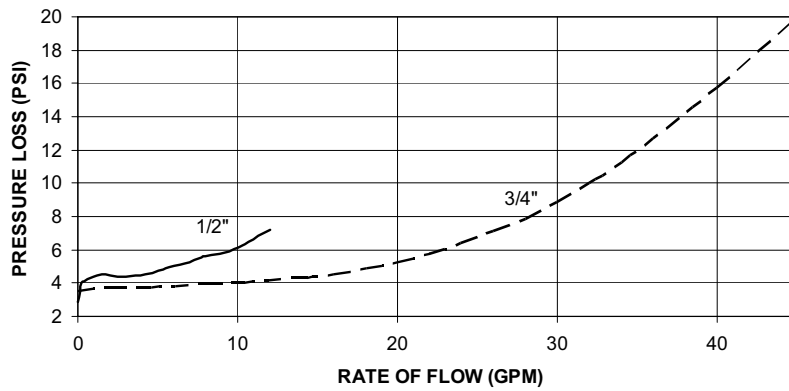
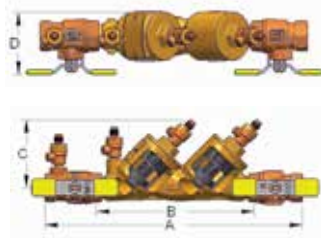
Flow Curves



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



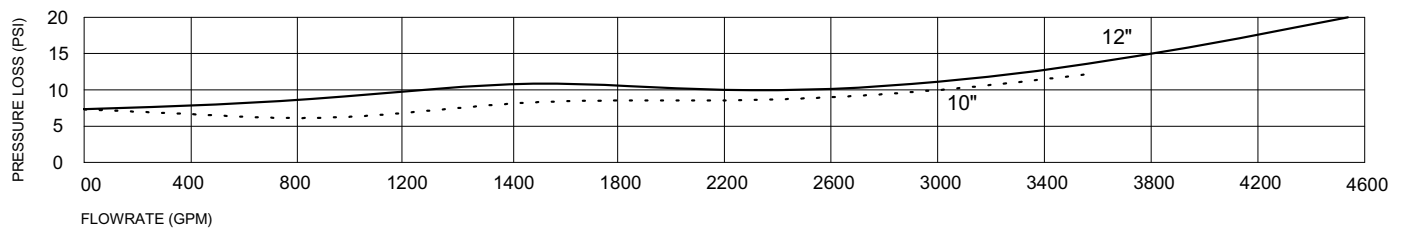
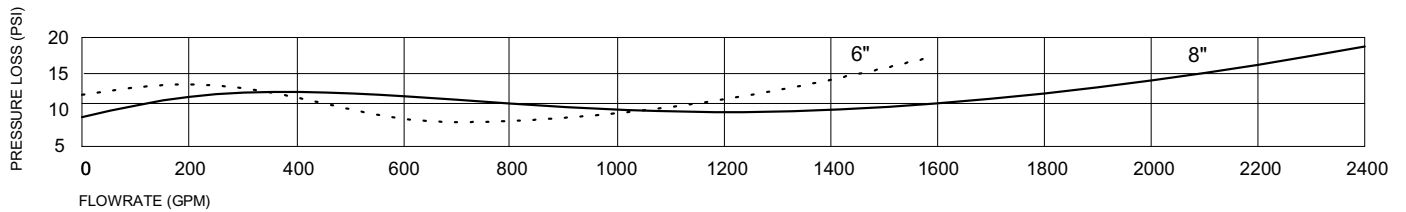
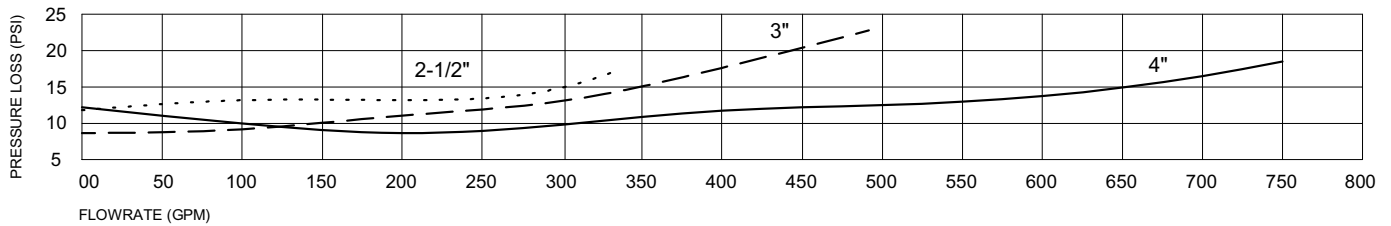
Apollo pressure loss curves developed from USC FCCC & HR approval curves.

Fire Protection Products

Flow Curves



RP 4A (LBF) & RPDA 4A



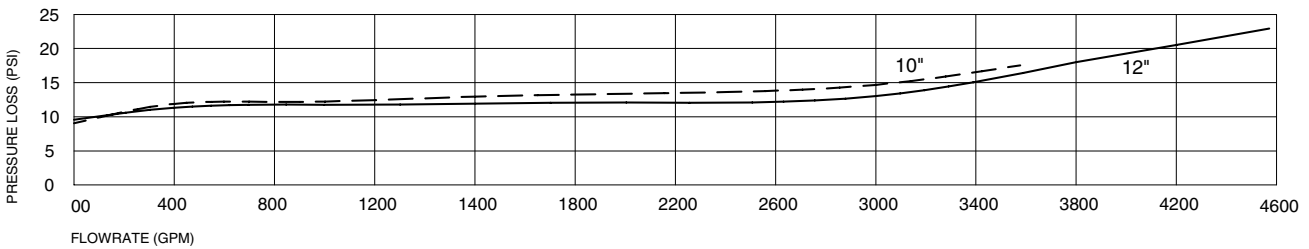
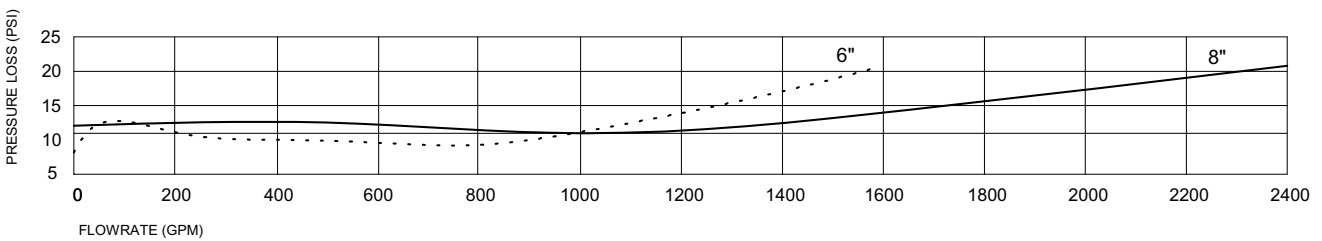
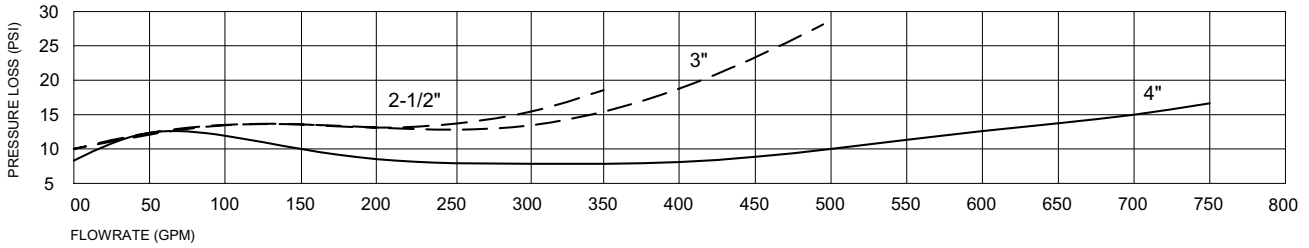
Apollo pressure loss curves developed from USC FCCC & HR approval curves.

Fire Protection Products

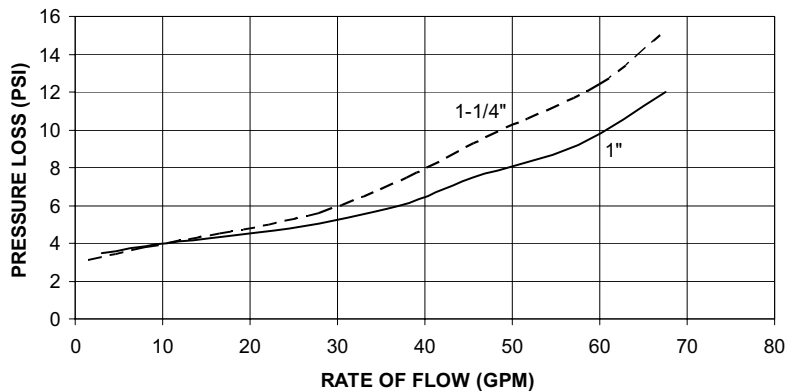
Flow Curves



RP 4An (LBF) & RPDA 4An



DUC-4FP



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

Fire Protection Products

Flow Curves

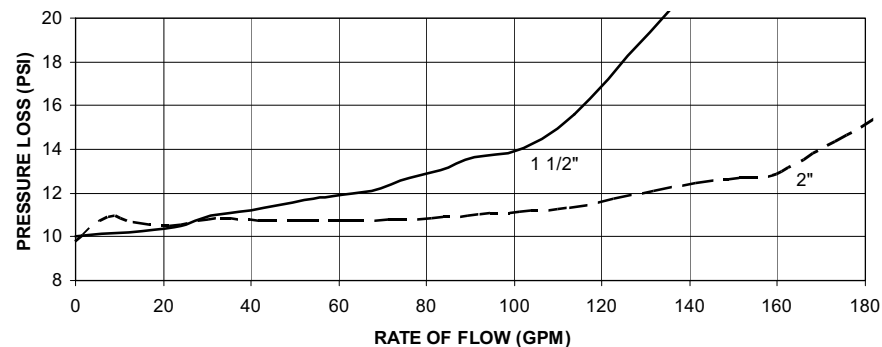
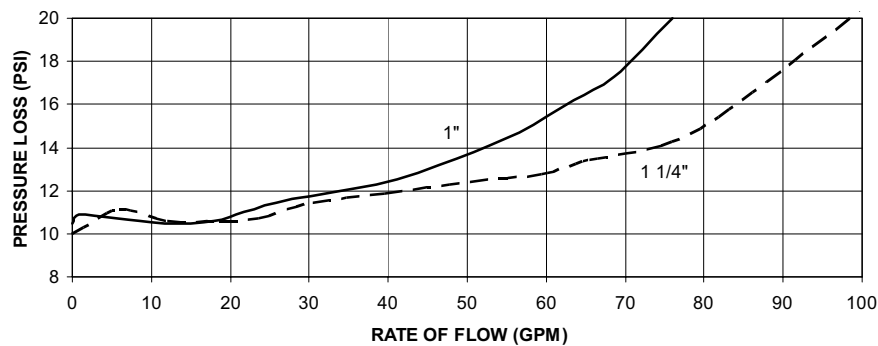
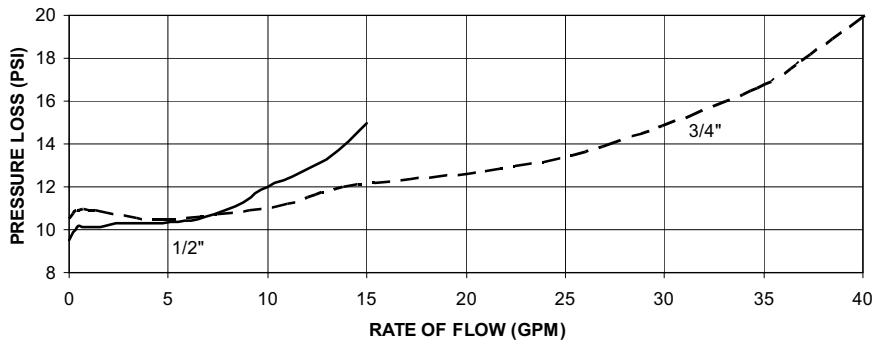


RP 4A



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

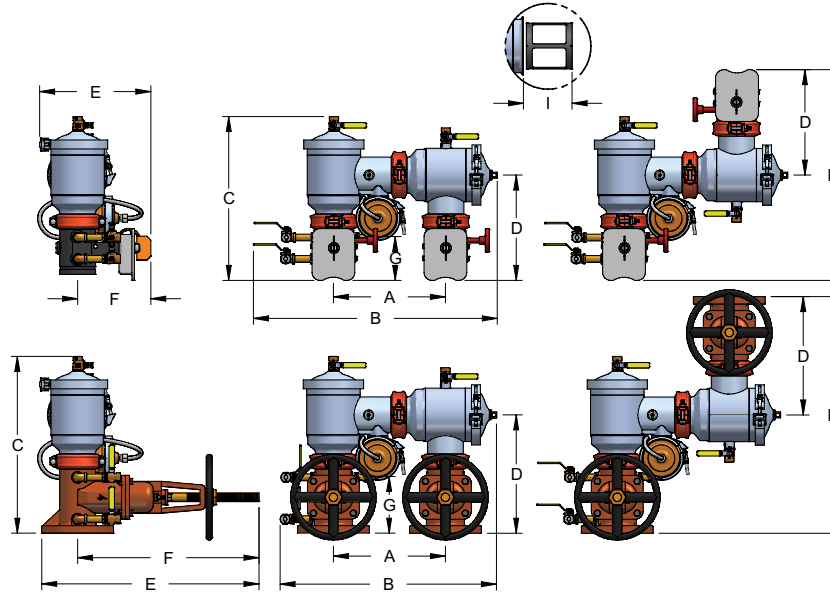


Apollo pressure loss curves developed from USC FCCC & HR approval curves.

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
WEIGHTS	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

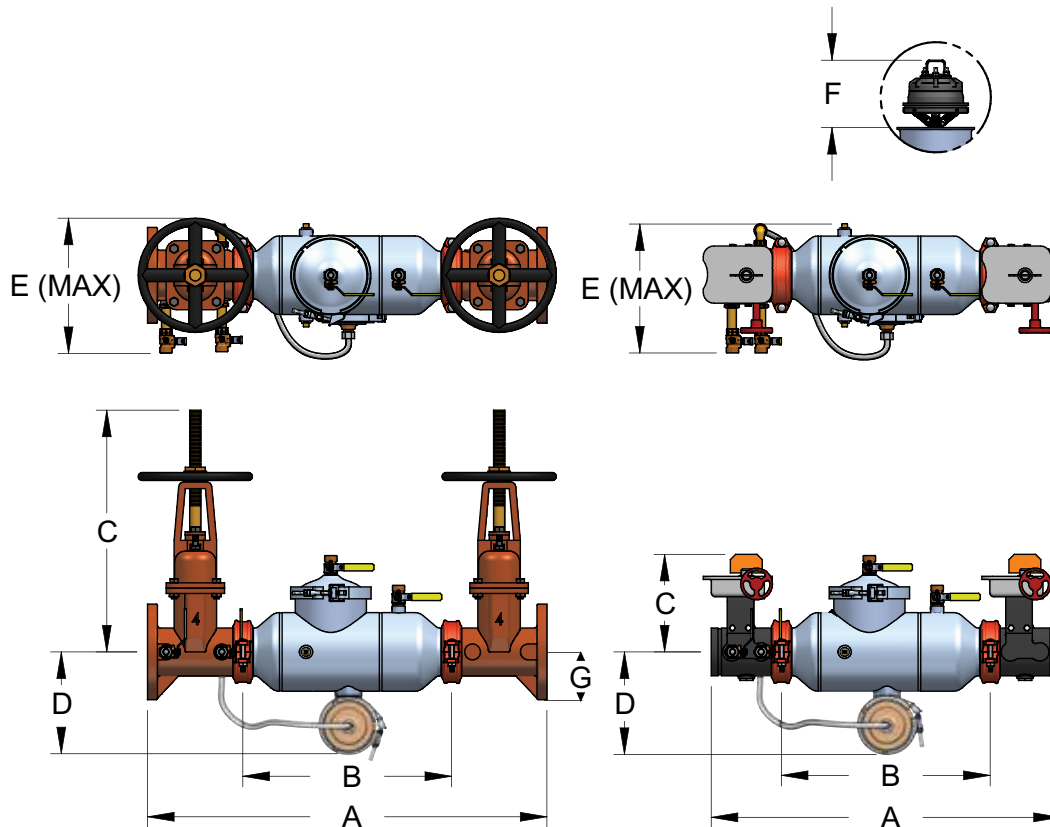
Notes:

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
WEIGHTS	lb.	kg	lb.	kg	lb.	kg	lb.	kg	lb.	kg	lb.	kg	lb.	kg
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.





SALES & CUSTOMER SERVICE:
 Phone: (704) 841-6000 Fax: (704) 841-6020

To find a Sales Rep in your area, visit our website.
www.apollovalves.com/relocator

REGIONAL MANAGEMENT – APOLLO VALVES, ELKHART PRODUCTS & LASCO FITTINGS

	AREAS COVERED	EMAIL	PHONE
SENIOR MANAGEMENT			
Brian Ragone	Senior VP - Sales & Marketing	brian.ragone@conbraco.com	513-200-5415
Don Russell	VP Sales - Commercial & Industrial	don.russell@conbraco.com	614-943-0688

REGIONAL SALES DIRECTORS – COMMERCIAL & INDUSTRIAL			
Mike Bedzyk	Central/Northeast	michael.bedzyk@conbraco.com	614-619-4993
Mitch Davis	S. Central/Southeast	mitch.davis@conbraco.com	678-628-4478
Phillip Merino	West	phillip.merino@conbraco.com	702-960-9935

REGIONAL SALES MANAGERS – COMMERCIAL & INDUSTRIAL			
Kevin Ashworth	Southeast	kevin.ashworth@conbraco.com	757-272-6200
Keith Baca	Southeast	keith.baca@conbraco.com	615-630-3892
Mike Blair	Central	mike.blair@conbraco.com	330-413-0035
Steve Brown	Northwest	steve.brown@conbraco.com	425-985-5095
Ken Copeland	Southwest	ken.copeland@conbraco.com	623-853-5744
Ben Lauletta	Northeast	ben.lauletta@conbraco.com	518-795-4629
Wesley Reinart	S. Central	wesley.reinart@conbraco.com	214-620-9901

INDUSTRIAL MARKET MANAGERS			
Dave Eck	Northeast	david.eck@conbraco.com	302-268-4411
Ken Griffin	Industrial & Commercial Valve Trainer	ken.griffin@conbraco.com	704-621-9296
Mark Sordelet	Central	mark.sordelet@conbraco.com	260-433-7393
Skip Wilson	Northwest	skip.wilson@conbraco.com	760-518-2222

BACKFLOW MARKET MANAGERS			
Pete Chapman	National Manager	pete.chapman@conbraco.com	559-577-2593
Cary Wiley	East	cary.wiley@conbraco.com	678-642-3356

APOLLOXPRESS MARKET MANAGERS			
John Rankel	National Manager	john.rankel@conbraco.com	702-445-0309
Todd Green	South Central	todd.green@conbraco.com	501-920-2029
Brian Jennings	North Central	brian.jennings@conbraco.com	859-394-3319
Robert Purchia	East	robert.purchia@conbraco.com	704-960-3532

	AREAS COVERED	EMAIL	PHONE
APOLLOPUSH MARKET MANAGERS			
George Dragosz	Northeast	george.dragosz@elkhartproducts.com	574-206-3953
Mark Schanback	Southeast	mark.schanback@conbraco.com	407-916-9626
Jeremy Small	Central	jeremy.small@conbraco.com	214-766-2106
Dean Weidlein	West	dean.weidlein@elkhartproducts.com	702-355-8615

WROT/CAST MARKET MANAGERS			
Cindy Goodwin	National Manager	cindy.goodwin@elkhartproducts.com	517-294-0007

CANADA			
Jeff Cooper	General Manager	jeff.cooper@conbraco.com	416-451-9336
Andy Fretz	Commercial	andy.fretz@conbraco.com	647-281-3161
Jim Todman	Industrial	jim.todman@conbraco.com	905-407-8385

LASCO FITTINGS REGIONAL SALES MANAGERS – IRRIGATION			
David Beyer	Northeast	dbeyer@lascofittings.com	561-718-9379
Don Caver	Central	dcaver@lascofittings.com	469-628-4918
Ben Freeman	Southeast	bfreeman@lascofittings.com	205-919-4944
Bryan Jackman	West	bjackman@lascofittings.com	714-673-5875
Jimmy White	National Sales Manager	jwhite@lascofittings.com	731-234-2372
Rick Williamson	Eastern Specifications Manager	rwilliamson@lascofittings.com	386-451-2307

INTERNATIONAL SALES MANAGERS			
Bill McNamara	Director of International Sales	bill.mcnamara@elkhartproducts.com	1-574-903-3821
JR Jefferson	Central/South America & the Caribbean	jr.jefferson@conbraco.com	1-832-220-3783
Brencliff Group	Australia, New Zealand	petermcl@brencliff.com	61 477 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
	Europe/Africa/Israel	customersupport@conbraco.com	1-704-841-6000

current as of 7/20/15

For more information about **Apollo Valves, Elkhart Products Corporation**, and our family of **AMERICAN MADE** products, contact:

