

# DUCTILE & CAST IRON VALVES (150/300 LB)

## BODY MATERIALS

Ductile & cast iron valves manufactured by Pima Valve are specified as ASTM-A395 (D.I.) & ASTM-A126 (C.I.), and can be used for steam pressures up to 300 PSI and not exceeding temperatures of 500 F.

## TRIM MATERIALS

Ductile iron valves may be furnished with any of the following trims or combinations:

### Trim Designation "A"

Stem..... Manganese Bronze ASTM B584, Alloy 86500  
Seat ..... Bronze ASTM B61 or B62  
Disc ..... Bronze ASTM B61 or B62

### Trim Designation "E"

Stem..... NI-CU Alloy Fed. Spec. QQ-N-281  
Seat ..... NI-CU Alloy ASTM A494, GR. M30H  
Disc ..... NI-CU Alloy ASTM A494, GR. M30C

### Trim Designation "C"

Stem..... Type 316SS AISI Type 316  
Seat ..... Type 316SS AISI Type 316/ASTM-A296, CLASS CF-8M  
Disc ..... Type 316SS AISI Type 316/ASTM-A296, CLASS CF-8M

## PACKING MATERIALS and BONNET GASKETS

Stem packing and bonnet gaskets are furnished in accordance with requirements for service intended as follows:

<u>Service</u>	<u>Stem Packing</u>	<u>Bonnet Gasket</u>
Fresh or Saltwater	Teflon/Synthetic	Non-Asbestos Sheet
Steam	Plastic, Metallic or Non-Metallic	Non-Asbestos Sheet



Pima Packing Sizes			
Valve Size	Gate	Globe	Angle
2	3/16	3/16	3/16
2-1/2	3/16	3/16	3/16
3	1/4	1/4	1/4
3-1/2	1/4	1/4	1/4
4	1/4	1/4	1/4
5	1/4	5/16	5/16
6	1/4	5/16	5/16
8	5/16	5/16	3/8
10	3/8	5/16	3/8
12	3/8	3/8	1/2

## TAGGING

In addition to body markings, ductile iron valves can be tagged as follows:

○	PIMA VALVE INC.	FIG NO.	<input type="text"/>	PRESS	<input type="text"/>	○
		BODY	<input type="text"/>	TRIM	<input type="text"/>	
		C.I.D.	<input type="text"/>			

## FLANGED END

End flanges and drilling of flanges conform to ASA B16.5. If undrilled flanges or special drilling is required, inquiries should specify. All bolt holes are spotfaced on backside of flanges for bolt heads and nuts.

## BONNET BOLTING

Bonnet bolting is regularly furnished in Steel (ASTM A307). The bolting may be either machine bolts with one nut each, or althread studs with two nuts each. Other materials and special requirements should be specified on inquiries.

## COATINGS

It is not atypical that protective coatings are required by our customers. For valves with these material requirements various types are available such as the Scotchkote 134 (IAW with AWWA C550), Belzona 1391 and Hempel 4881 products.

