



Steam service for Boiler Drum, Feedwater Heater and other vessel level indication applications.

Series 4300N

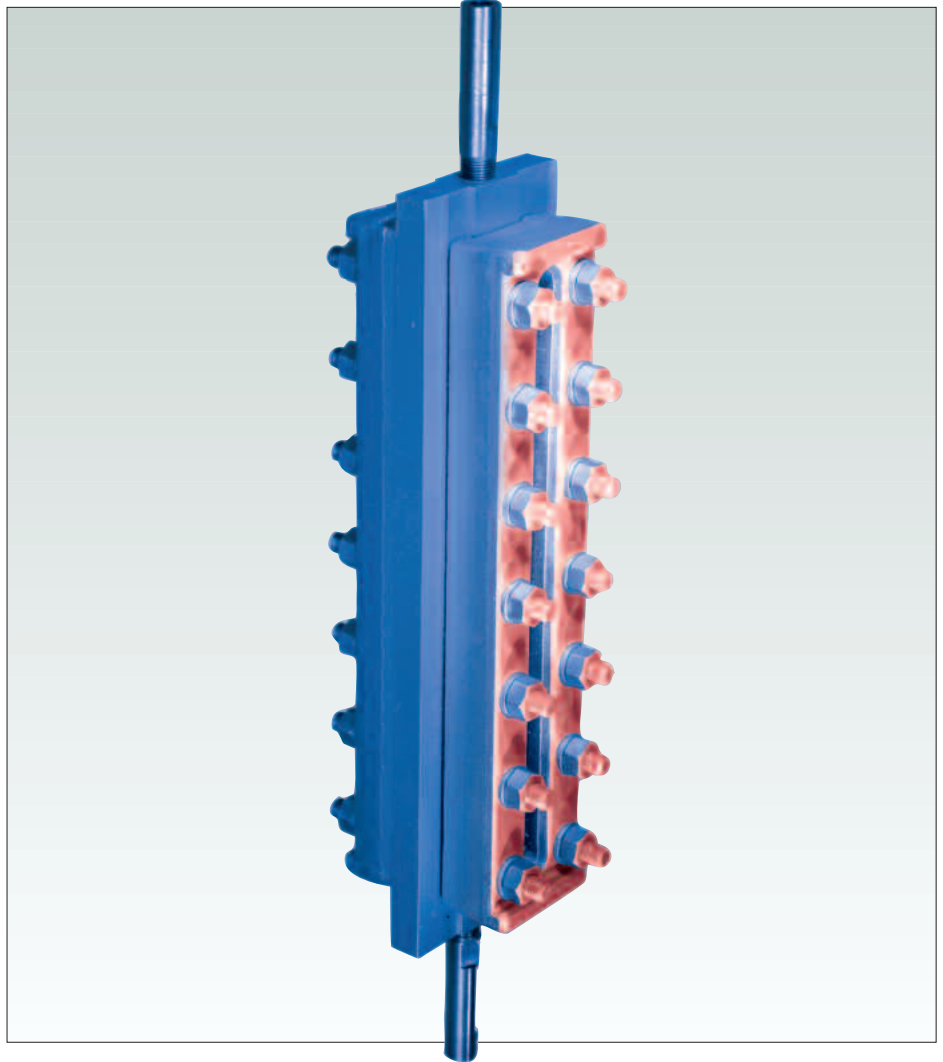
For use in steam service up to 400 psig [28 bar] 448°F for Boiler Drum, Feedwater Heater and other vessel level indication applications.

- Low maintenance stuffing box gage valves
- Through bolt design allows easy service
- Cover enclosed glass resists breakage
- Indoor or Outdoor installation
- Meets ASME Section I

Series 4600N

For use in steam service up to 650 psig [45 bar] 494°F Boiler Drum applications, especially IP and LP combined cycle HRSG's, Feedwater Heater and other vessel level indication.

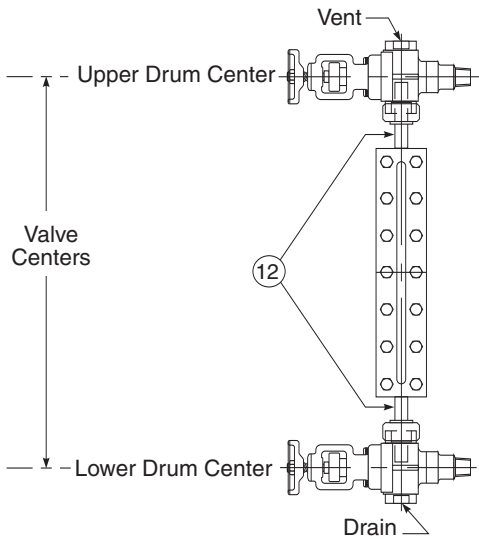
- Meets ASME Section I
- Indoor or Outdoor installation
- Live loaded cover bolting to withstand cyclic service
- Mica shield protection to prevent gage glass erosion
- Tempered Borosilicate glass for high strength and thermal shock resistance



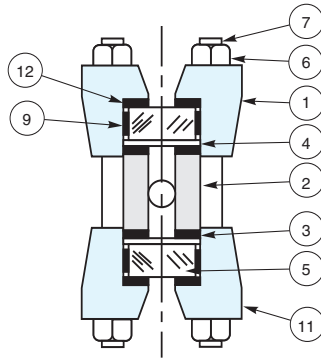
Total Flow Control Solutions™

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Series 4300N



4317N - 4319N



Parts/Materials

Item	Description	Material
1	Cover	ASTM A105
2	Chamber	ASTM A105
3*	Gasket	Non-asbestos
4*	Shield	Mica
5*	Glass	Tempered Borosilicate
6*	Nut	ASTM A-194 Gr. 2 or 2H
7*	Stud	ASTM A-193 Gr. B-7
8*	Cushion	Non-asbestos
9	Band	Rubber
11	Nameplate	Stainless Steel
12	Nipples	ASME SA479 Type 321

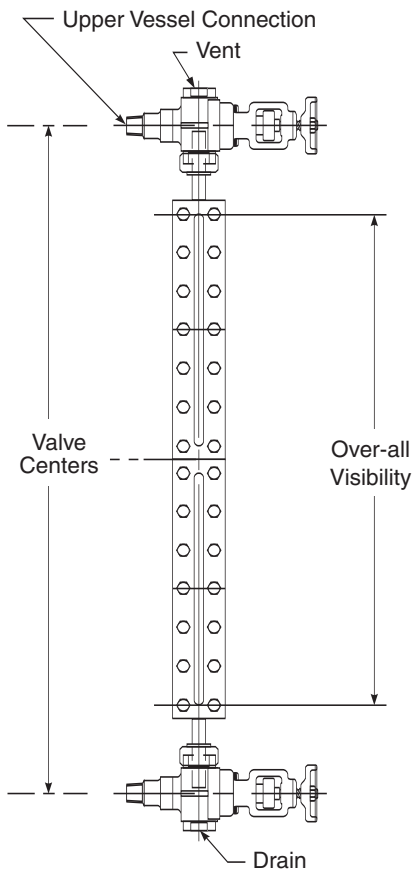
* Recommended Spare Parts

Dimensions, inches [mm]

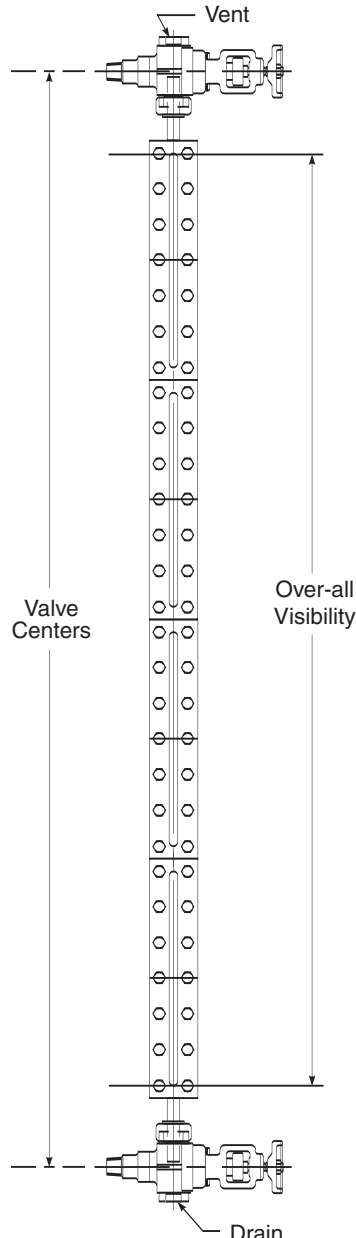
Series 4300N [up to 400 psig]

Model #	Visibility	Min. Vlv. Centers	No. of Gages
4317N	10 ¹ / ₄ [260]	19 ¹ / ₂ [495]	1
4318N	11 ⁷ / ₈ [(302)]	21 ¹ / ₄ [540]	1
4319	12 ⁵ / ₈ [320]	22 [559]	1
4327	22 [559]	31 ¹ / ₈ [794]	2
4328	25 ¹ / ₄ [641]	34 ¹ / ₂ [876]	2
4329	26 ³ / ₄ [679]	36 [914]	2
4337	33 ³ / ₄ [857]	43 [1092]	3
4338	38 ⁵ / ₈ [981]	47 ⁷ / ₈ [1216]	3
4339	40 ⁷ / ₈ [1038]	50 ¹ / ₈ [1273]	3
4347	45 ¹ / ₂ [1156]	54 ³ / ₄ [1391]	4
4348	52 [1321]	61 ¹ / ₄ [1556]	4
4349	55 [1398]	64 ¹ / ₄ [1632]	4
4357	57 ¹ / ₄ [1454]	66 ¹ / ₂ [1689]	5
4358	65 ³ / ₈ [1661]	74 ⁵ / ₈ [1895]	5
4359	69 ¹ / ₈ [1756]	78 ³ / ₈ [1991]	5

For visibilities over 69 inches, consult factory.



4327N - 4329N



4347N - 4349N

How to Interpret the Numbers

- 4 - Denotes Low Pressure Gages or Valves
- 3 - 400 psig max. steam pressure gage
- 1 - Number of body sections
- 7 - Glass size (for different visibilities) 7, 8, or 9
- N - Nipple connections (to gage valves)

Series 4600N

Parts/Materials

Item	Description	Material
1	Cover	ASTM A105
2	Chamber	ASTM A105
3*	Gasket	Non-asbestos
4*	Shield	Mica
5*	Glass	Tempered Borosilicate
6*	Nut	ASTM A-194 Gr. 2 or 2H
7*	Stud	ASTM A-193 Gr. B-7
8*	Cushion	Non-asbestos
9	Band	Rubber
10	Belleville Washer	Stainless Steel 17/7 PH
11	Nameplate	Stainless Steel
12	Nipples	ASME SA479 Type 321 or SA106

* Recommended Spare Parts

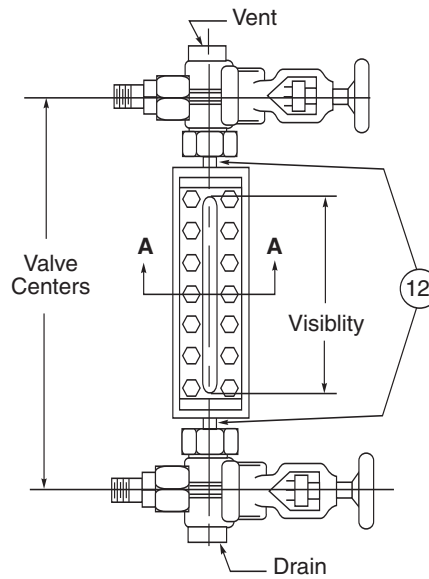
Dimensions, inches [mm]
Series 4600N [up to 650 psig]

Model #	Visibility	Min. Vlv. Centers	No. of Gages
4616N	9 [228]	20 [508]	1
4617N	10 ¹ / ₈ [257]	21 ¹ / ₈ [537]	1
4619N	12 ¹ / ₂ [317]	23 ¹ / ₂ [597]	1
4626N	17 [432]	28 [711]	2
4627N	19 ¹ / ₄ [489]	30 ¹ / ₄ [768]	2
4629N	24 [609]	35 [889]	2
4636N	25 [635]	36 [914]	3
4637N	28 ³ / ₈ [721]	39 ¹ / ₈ [1000]	3
4639N	35 ¹ / ₂ [902]	46 ¹ / ₂ [1181]	3
4646N	33 [838]	43 ⁷ / ₈ [1114]	4
4647N	37 ¹ / ₂ [952]	48 ³ / ₈ [1229]	4
4649N	47 [1194]	57 ⁷ / ₈ [1470]	4
4656N	41 [1041]	51 ⁷ / ₈ [1318]	5
4657N	46 ⁵ / ₈ [1184]	57 ¹ / ₂ [1460]	5
4659N	58 ¹ / ₂ [1486]	69 ³ / ₈ [1762]	5

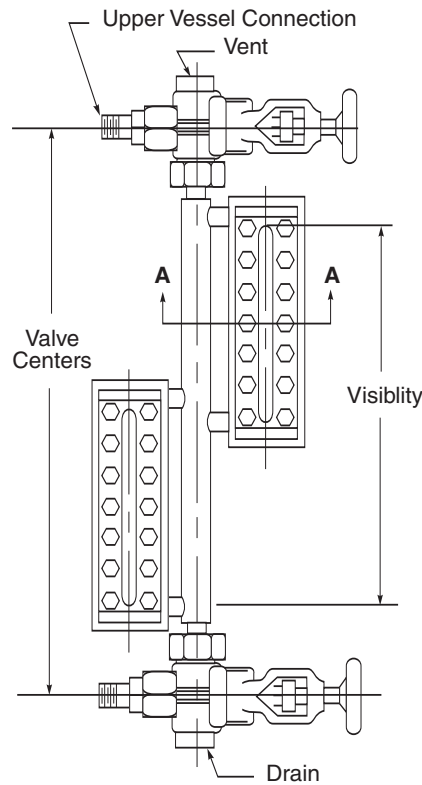
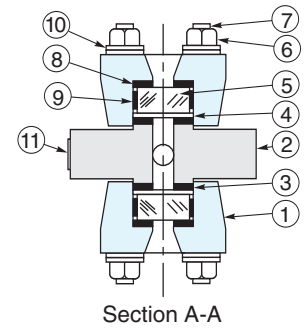
For visibilities over 58¹/₂" [1486], consult factory.

How to Interpret the Numbers

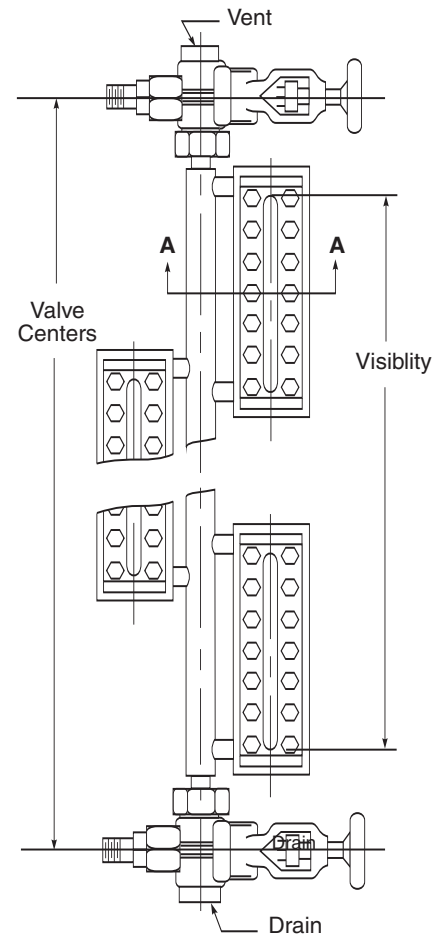
- 4 - Denotes Low Pressure Gages or Valves
- 6 - 650 psig max. steam pressure gage
- 1 - Number of body sections
- 7 - Glass size (for different visibilities) 6, 7, 8, or 9
- N - Nipple connections (to gage valves)



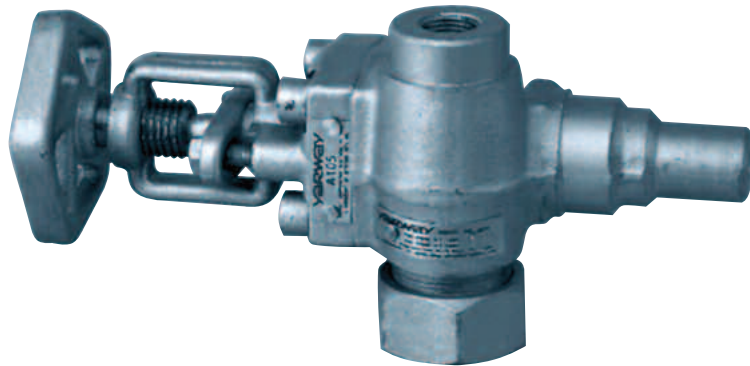
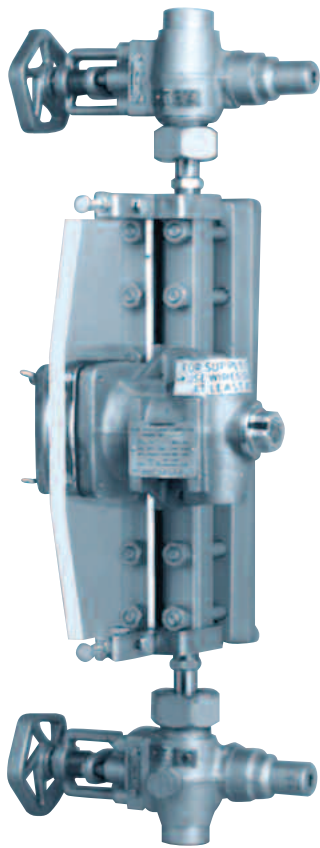
4616N - 4619N



4626N - 4629N



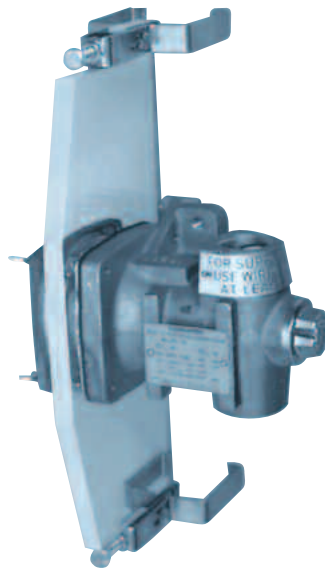
4636N - 4679N



Yarway Gage Valves are supplied in pairs (upper and lower) and are designed specifically to be used with our gage glasses to isolate the gages from the pressure vessel when it becomes necessary to drain and service the gages. All valves are supplied with an outside screw and yoke. Other standard features of the valve include a ball check shut-off, an offset pattern that allows the gage to be set off from the centerline of the valves, stuffing box gage connections, solid shank vessel connection (NPT/Union, Socketwelding Ends or Flanged Ends), threaded renewable seat and backseating stem. Other options are available. Contact Factory for details.

Yarway Low Pressure Flat Glass Gages are configurable to any practical length by either end connecting standard gage bodies on top of one another (Series 4300N) or with an offset mounting on a common column or bar (Series 4600N), as illustrated on pages 2 and 3. These gage assemblies are available in single through ten section units with visibilities up to 139". Drawings of typical assemblies, along with visibility and minimum gage valve center dimensions are noted on pages 2 and 3.

The Yarway Low Pressure Flat Glass Gages are frequently furnished as an assembly complete with a set of gage isolation valves and an illuminator for better visibility. This assembly is illustrated above.



Yarway Illuminators are designed to improve liquid level observation by providing proper light distribution over the entire visible length of the transparent gage when ambient light is insufficient. The illuminator is designed to be readily mounted on either the 4300 or 4600 series gages. Single and double units are available for one or two section gage modules. All models are rated at 58 watts, are explosion proof and dust tight and meet Class 1, Division II, Groups B, C and D service.

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