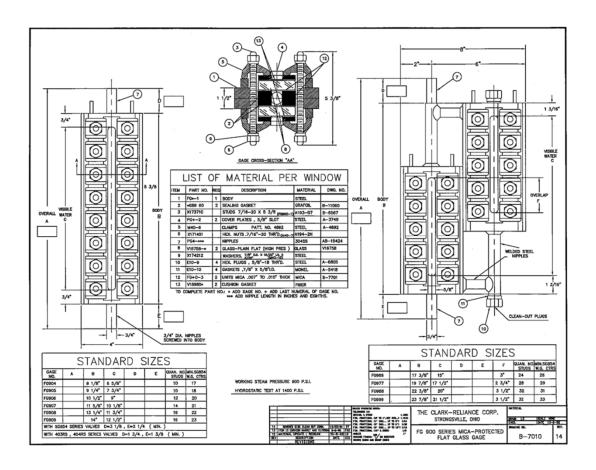
RFQ and Purchase Order Specification Work Sheets

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Flat Glass Gages



Please complete all information fields in this worksheet and submit with your RFQ (Request For Quote) or Purchase Order. The use of these worksheets has proven to greatly decrease Engineering time and virtually eliminate specification errors.



16633 Foltz Parkway ● Strongsville, OH 44149 USA
Telephone: +1 (440) 572-1500
www.clark-reliance.com ● RelianceAppEng@clark-reliance.com



Order Specification Sheet for Reliance Flat Glass Gage Must accompany P.O with all fields

completed

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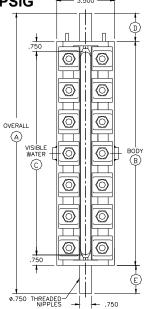
• All gages over three sections must be quoted with flanged connections and appropriate valves

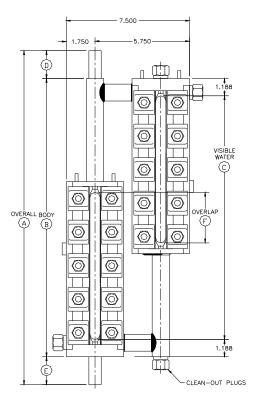
consult factory

Customer:		Date:			
Address:		P.O. No.:			
		Quote Ref.:			
Contact Name:		On Site Req'd.:			
Phone No.:		Other Info.:			
E-mail:					
	REQUIRED	INFORMATION			
Design Pressure:		Environment:			
_	 ure:	∐Indoor ⊡Outdoor			
☐ Gage Visibility Re	equired:	☐Hazardous Area			
☐ Gage Model No.	(if known):	Illumination Required: ☐None ☐DuraStar LED			
Water Gage Valve	e Conns.	Viewing Hood None Direct Vision Periscope Power Requirements: 120 VAC 240 VAC			
☐ ½"-2 Side	D.D. Nipple (end stem) 2500# RTJ Flange e Conns. er (Specify below)				
Water Gage Valve Bronze	e Set Required Steel	Mirror Assembly Required:			
☐ BG402RS	☐ SG854	Notes:			
☐ BG403RS	☐ SG860	 Available in 4 different pressure classes; 450, 900, 1500, and 2000 PSIG 			
☐ BG404RS	☐ SG861U	 The 400, 900, and 1500 Series Gages have ¾" 			
☐ Other ☐ SG885U		O.D. end nipples for stuffing box connections and use Borosilicate Glass. The 2000 Series			
	☐ SG778	Gages have ½"-2500# R.T.J. Side Flange connections and use Aluminosilicate glass.			
	☐ SG777	 All Flat Glass gages are equipped with Mica Shields, which protect the glass from the 			
Matan Cana Valua	Other	corrosive effects of boiler water. • When more than one window is required for specific visible ranges, the gages are assembled side-by-side and the widows are overlapped by a			
Water Gage Valve	Centers	minimum of 1" to comply with ASME Code			

FG400 SERIES GAGES

Max. Pressure 450 PSIG





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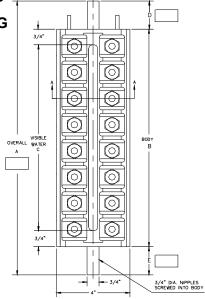
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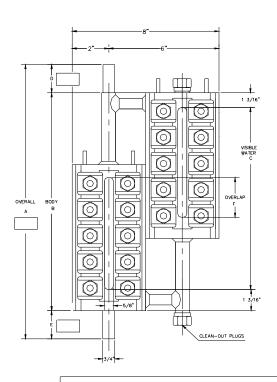
STANDARD SIZES

PART							NO. OF	MIN. SG854
ND.	A	В	C	D	Ε	F	STUDS	W.G. CENTERS
	SING	LE WIN	IDDW C	AUGES	3			
FG404		8.125	6.625				8	17
FG405		9.250	7.750				8	18
FG406		10.500	9.000				10	20
FG407		11.625	10.125				12	21
FG408		13.250	11.750				14	55
FG409		14.000	12.500				14	23
	DOUE	BLE WI	VDOV (SAUGE:	S			
FG466		17.375	15.000			3.000	20	26
FG477		19.875	17.500			2.750	24	29
FG488		22.375	20.000			3.500	28	31
FG499		23.875	21.500			3.500	28	33

FG900 SERIES GAGES Max. Pressure 900 PSIG

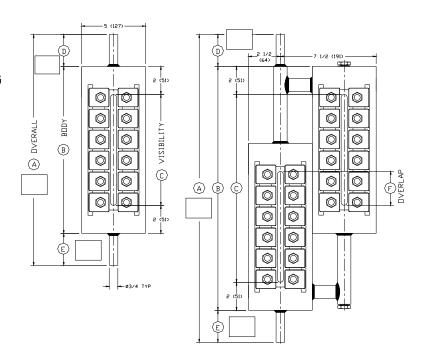


STANDARD SIZES													
GAGE NO.	А	В	C	D	E		MIN.SG854 W.G. CTRS.						
FG904		8 1/8"	6 5/8"			10	17						
FG905		9 1/4"	7 3/4"			10	18						
FG906		10 1/2"	9"			12	20						
FG907		11 5/8"	10 1/8"			14	21						
FG908		13 1/4"	11 3/4"			16	22						
FG909		14"	12 1/2"			16	23						
WITH SG854 SERIES VALVES D=3 1/8 , E=2 1/4 (MIN.)													
₩ITH 403	RS , 404R	S SERIES	VALVES D	=1 3/4 ,	E=1 3/8	(MIN.)	WITH 403RS , 404RS SERIES VALVES D=1 3/4 , E=1 3/8 (MIN.)						



	STANDARD SIZES							
GAGE NO.	А	В	С	D	E	F		MIN.SG854 W.G. CTRS
FG966		17 3/8"	15"			3"	24	26
FG977		19 7/8"	17 1/2"			2 3/4"	28	29
FG988		22 3/8"	20"			3 1/2"	32	31
FG999		23 7/8"	21 1/2"			3 1/2"	32	33

FG1500 SERIES GAGES Max. Pressure 1500 PSIG



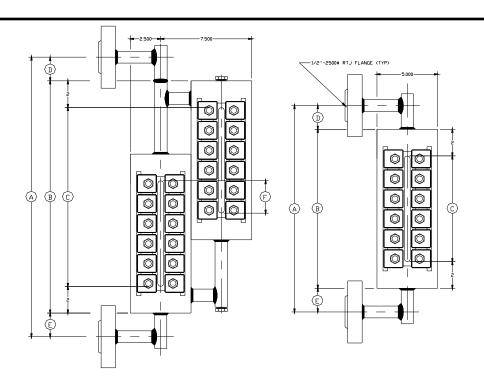
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STANDARD SIZES

STANDARD SIZES						
PART	В		F	MIN. SG854		
N□.	ь	С	Г	W.G. CENTERS		
	SINGLE WIN	IDOW GAGES				
FG1504	10 5/8 (270)	6 5/8 (!68)		20 (508)		
FG1505	11 3/4 (298)	7 3/4 (197)		21 (533)		
FG1506	13 (330)	9 (229)		23 (584)		
FG1507	14 1/8 (359)	10 1/8 (257)		24 (610)		
FG1508	15 3/4 (400)	11 3/4 (298)		25 (635)		
FG1509	16 1/2 (419)	12 1/2 (318)		26 (660)		
	DOUBLE WI	NDOW GAGES				
FG1555	16 (406)	12 (305)	3 1/2 (89)	26 (660)		
FG1566	19 (483)	15 (381)	3 (76)	29 (737)		
FG1577	21 (533)	17 (432)	3 1/4 (83)	31 (787)		
FG1588	23 1/2 (597)	19 1/2 (495)	4 (102)	33 (838)		
FG1599	25 (635)	21 (533)	4 (102)	35 (889)		

FG2000 SERIES GAGES Max. Pressure 2000 PSIG



STANDARD SIZES

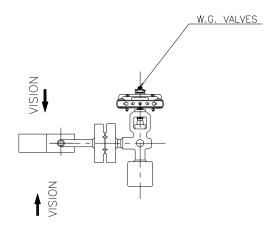
O I I II (DI II CD							
PART							MIN. SG777 W.G. CENTERS
N□.	A	В	C	D	E	F	('A' DIM)
	SING	LE WIN	IDOW C	AGES			
FG2004		10.625	6.625				15
FG2005		11.750	7.750				16
FG2006		13.000	9.000				17
FG2007		14.125	10.125				19
	DOUE	BLE WIN	NDOV I	SAGES			
FG2055		16.000	12.000			3.500	20
FG2066		19.000	15.000			3.000	23
FG2077		21.000	17.000			3.250	25

NOTE: 2" MINIMUM FOR DIMENSIONS 'D' AND 'E'

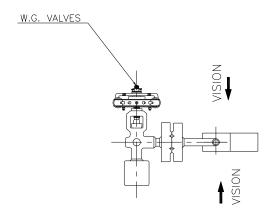
Plan View arrangements for SG600 and SG700 Series Valves with Flanged Flat Glass Gages

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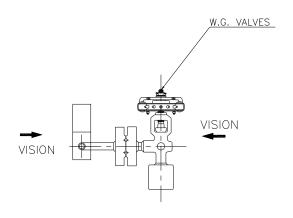
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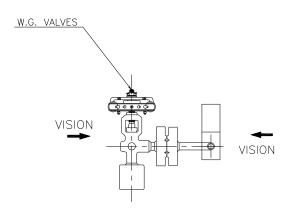




LEFT HAND VALVE ASSEMBLY WITH FLAT GLASS GAGE



RIGHT HAND VALVE ASSEMBLY WITH FLAT GLASS GAGE



LEFT HAND VALVE ASSEMBLY WITH FLAT GLASS GAGE

Additional notes:

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Maximum Water Gage Visibility for Multi-Window Flat Glass Gages

	Glass Size						
# of Sections	5	6	7	8	9		
Three	21 ¼"	25"	28 3/8"	33 ¼"	35 ½"		
	(540 mm)	(635 mm)	(721 mm)	(845 mm)	(902 mm)		
Four	28"	33"	37 ½"	44"	47"		
	(712 mm)	(838 mm)	(953 mm)	(1118 mm)	(1194 mm)		
Five	34 ³ ⁄ ₄ "	41"	46 5/8"	54 ¾"	58 ½"		
	(883 mm)	(1041 mm)	(1184 mm)	(1391 mm)	(1486 mm)		
Six	41 ½"	48"	55 ¾"	65 ½"	70"		
	(1054 mm)	(1219 mm)	(1416 mm)	(1664 mm)	(1778 mm)		

The above table is to be used as a reference guide for sizing of multi-section gages. Consult factory for actual gage recommendation to meet visibility requirements.

Actual visibility required:	
Water Gage Valve centers:	
Flange size and type:	

Notes:

- 1) Minimum 1" overlap on multiple section designs per ASME Code.
- 2) Glass sizes 8 and 9 are not available with FG2000 Series Gage Glasses.
- 3) All gages with more than (3) sections must be supplied with side flanged connections for use with appropriate valves. Consult Factory for retrofit applications.
- 4) Longer visible lengths may be available on request. Consult the Factory.