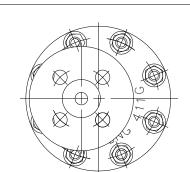
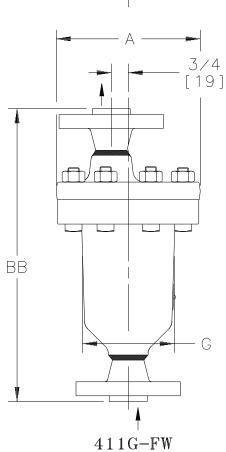
	DIMENSIONS	&	DATA	CERTIFIED	FOR:
Representat	ive:				Order:
Customer:					Order:
Project:					
Requirements	S:				





Flange Conn. ANSI B16.5

NOTE: Dimensions Are In Inches & [mm]

R	V	٠
-	У	•
	-	

Da	+	0	
DU	ι	\Box	

LIST OF	MATERIALS:		
NAME OF PART	MATERIAL		
CAP	ASTM A105		
INLET TUBE	ASTM A53 SCH. 80		
GASKET	SPRIAL WOUND STN. STL. NON-ASBESTOS		
BOLTS (8)	ASTM A193 GRADE B7		
NUTS (8)	ASTM A194 GRADE 2H		
VALVE SEAT VALVE	- TITANIUM		
VALVE RETAINER			
LEVER	STAINLESS STEFL		
GUIDE PIN ASS'Y	31AINEE33 31EEE		
BUCKET			
TECHNICAL			

I E C H I	11 CAL	_ 11/11	- ORMATTON		
MODEL NO.			411G-FW		
CONNECTIONS		1/2[DN15], 3/4[DN20]			
"A" (FLANGE, BC	DY DIA	۹.)	6-1/4[159]		
	CL. 600	1/2	12-7/8 [327]		
"BB" ±1/4[6]		3/4	13 [330]		
(HEIGHT FLANGE)	CL.	1/2	13-3/8 [340]		
<u> </u>	900	3/4	14 [355]		
"G" (BODY OD)			4-1/16[103]		
WEIGHT			39[18kg] ±3[1.4kg]		

OPTIONS:		INTERNAL CHECK VALVE	Ī
OF ITONS.		BVSW	
	DESIGN I	NFORMATION	

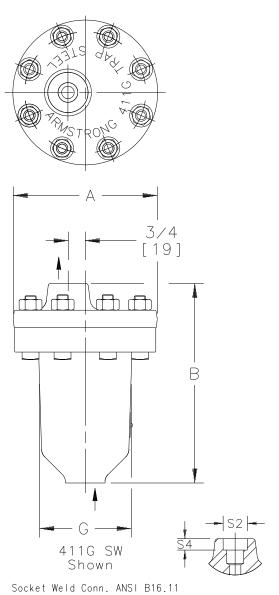
MODEL NO.	MAX. OPER. PRESSURE PSIG [BAR]	PSIG [BAK] of Pressure-Containing				
INO.	at SAT. STEAM	-20[-29] 650[343]	700 [371]	750 [399]	800 [427]	
411G FW	1000 [69]	10 [6		950 [66]	840 [58]	

Date

Paul G.



DIMENSIONS & DATA	CERTIFIED FOR:	
Representative:	Order:	
Customer:	Order:	
Project:		
Requirements:		
	Ry: Dato:	



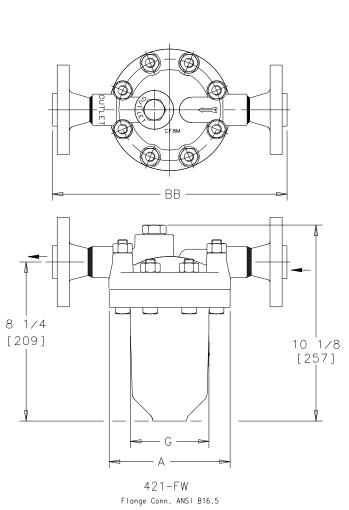
Date:			
MATERIALS:			
MATERIAL			
ASTM A105			
ASTM A53 SCH. 80			
SPRIAL WOUND STN. STL. NON-ASBESTOS			
ASTM A193 GRADE B7 ASTM A194 GRADE 2H			
TITANIUM			
STAINLESS STEEL			
INFORMATION			
411G			
1/2[DN15], 3/4[DN20]			
6-1/4[159]			
8-7/8 [225]			
4-1/16[103]			
25[11kg] ±3[1.4kg]			
INTERNAL CHECK VALVE BVSW			
S2 S4MIN.			
.855[22] 3/8[10] 1.065[27.5] 1/2[12]			
INFORMATION			
X. ALLOWABLE PRESSURE (Vessel Design) IG [BAR] of Pressure-Containing rts at Indicated Temp. °F[°C]			
0[-29] 700 750 800 0[343] [371] [399] [427]			
1000 950 840 [69] [66] [58]			

NOTE: Dimensions Are In Inches & [mm]



Product	ENGLISH	CD No.	Date
411G NPT, BSPT & S	WEB YIN	1105	6/6/07
INIT, DOLL & C) V V	Rev; B Sht. 2	By; Paul G

DIMENSIONS & DATA	CERTIFIED	FOR:
Representative:		Order:
Customer:		Order:
Project:		
Requirements:		
	Ву:	Date:



Ву:			Date:		
LIST OF MA			ERIAL	S:	
NAME OF	PART		МАТЕ	ERIAL	
CAP	ASTM	A216 GRAD	DE WCB		
BODY		ASTM	A105		
J TUBE		ASTM .	A312 T304	SCH. 4	0
GASKET			WOUND STN.		·ASBESTOS
BOLTS (8) NUTS (8)			A193 GRAD A194 GRAD		
VALVE SÉAT		TITAN			
VALVE VALVE RETAINER LEVER GUIDE PIN ASS'Y BUCKET		STAINLESS STEEL			
TE	AL INFORMATION				
MOD	EL NO.	421-FW			
CONNEC		1/2 [DN1	5], 3/4	[DN20]	
"A" (FLANGE	, BODY DIA	4.)	6-1	/4[159]
"BB" ±1/4[6	CLASS	S 1/2 11-13/16 [300]			
(WIDTH -	600	3/4	12-1/8 [308]		
FLANGE)	CLASS	1/2		8 [321	
#C# (DODY (900	3/4		1/8 [333	
"G" (BODY ((טכ			/16[103	-
WEIGHT			42[19	kg] ±3[1	.4kg]
OPTIONS:	INTERNAL CHECK VALVE BVSW				
	DESIGN	İNF	ORMAT	ION	
MODEL NO.	MAX. OPER. PRESSURE PSIG [BAR] at SAT. STEAM	MAX. AL PSIG [E Parts o	LOWABLE PREBAR] of Presont Indicated	SSURE (Ves sure-Conta Temp.°F[°0	sel Design) ining C] 800
	STEAM		3] [371]	[399]	[427]
421 FW	1000 [69]		1000 [69]	950 [66]	840 [58]

	DESIGN INFORMATION							
•	MODEL NO.	MAX. OPER. PRESSURE PSIG [BAR]	MAX. ALLOWABLE PRESSURE (Vessel Design PSIG [BAR] of Pressure-Containing Parts at Indicated Temp.*F[°C]					
		at SAT. STEAM	-20[-29] 700 650[343] [371]	750 [399]	800 [427]			
	421 FW	1000 [69]	1000 [69]	950 [66]	840 [58]			
		•	•					

	Product	ENGLISH	CD No.	Date		
Armstrong	421 FW	WEB Y N	1105	12/6/07		
ww.armstronginternational.com			Rev; C Sht. 3	By; Paul G.		

	DIMENSIONS	&	DATA	CERTI	FIED	FO	R:			
Representati	ve:					Orde	r:			
Customer:					Order:					
Project:										
Requirements	:									
				By:			Date:			
				LIST OF MATERIALS:						
				NAME OF PART			MAT	ERIAL	-	
						A216 GRADE WCB				
							4 A105 4 A312 T304 SCH. 40			
					SPRIAL W	. WOUND STN. STL. NON-ASBESTOS				
			BOLTS (8) ASTM			A193 GRADE B7 A194 GRADE 2H				
	CF 8M			VALVE SEAT			ANTUM			
				VALVE RETAINER LEVER		CTAINI	STAINLESS STEEL			
				GUIDE PIN ASS'Y BUCKET						
[203]				TECHNICAL INFORMATION						
			<u> </u>	MOD	421-FW					
—			-	CONNECTIONS		1/2 [DN15], 3/4 [DN20]			20]	
	8 1/4	—		"A" (FLANGE, BODY DIA.)		A.)	6-1/4 [159]			
8 1/4 [209]				"B" ±1/8[3] HEIGHT			10-1/8 [257]			
[209]	[209]			"G" (BODY OD)			4-1/16 [103]			
				WEIGHT			27.8 [13 kg]			
				OPTIONS:		INTE		CK VALV	E	$\left\ \cdot \right\ $
			V_	SW PIPE SIZE		2[15]	S2 .855[2		S4 MIN 3/8[10]]
	A				DESIGN	4[20] INF	1.065[2 ORMAT		1/2[12]	
	421 SW		→ S2 →	MODEL PRESSURE PSIG [BAR ot SAT. STEAM					ign)	
Shown Socket Weld Conn. ANSI B16.11		1 -			I PSIG [BAR]					
	<u>₹</u> <u>\$4</u>				STEAM 1000	650[343	j [371] 000	[399 950		7]
		1 <		421	[69]		69]	[66]		



421 NPT, BSPT & SW

Product

ENGLISH CD No. Date

WEB 1105 12/6/07
Y N Rev; C Sht. 4 By; Paul G.