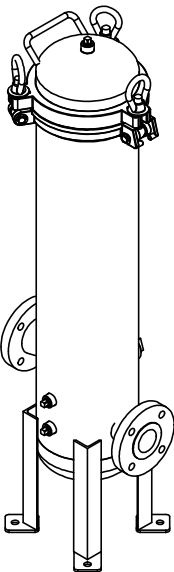


TABULATION		
PART NO.	DESCRIPTION	GLOBAL FILTER MODEL NO.
21278-01	FLTR HSG ASSY, GTCH3 SER, 20", DIN 40, 304 SS, GB, CODE	GTCH3240D415GBCE
21278-02	FLTR HSG ASSY, GTCH3 SER, 20", DIN 40, 304 SS, GB	GTCH3240D415GB
21278-03	FLTR HSG ASSY, GTCH3 SER, 30", DIN 40, 304 SS, GB, CODE	GTCH3340D415GBCE
21278-04	FLTR HSG ASSY, GTCH3 SER, 30", DIN 40, 304 SS, GB	GTCH3340D415GB
21278-05	FLTR HSG ASSY, GTCH3 SER, 40", DIN 40, 304 SS, GB, CODE	GTCH3440D415GBCE
21278-06	FLTR HSG ASSY, GTCH3 SER, 40", DIN 40, 304 SS, GB	GTCH3440D415GB
21278-07	FLTR HSG ASSY, GTCH3 SER, 20", DIN 40, 316 SS, GB, CODE	GTCH3240D615GBCE
21278-08	FLTR HSG ASSY, GTCH3 SER, 20", DIN 40, 316 SS, GB	GTCH3240D615GB
21278-09	FLTR HSG ASSY, GTCH3 SER, 30", DIN 40, 316 SS, GB, CODE	GTCH3340D615GBCE
21278-10	FLTR HSG ASSY, GTCH3 SER, 30", DIN 40, 316 SS, GB	GTCH3340D615GB
21278-11	FLTR HSG ASSY, GTCH3 SER, 40", DIN 40, 316 SS, GB, CODE	GTCH3440D615GBCE
21278-12	FLTR HSG ASSY, GTCH3 SER, 40", DIN 40, 316 SS, GB	GTCH3440D615GB
21278-13	FLTR HSG ASSY, GTCH3 SER, 20", DIN 40, 304 SS, EP, CODE	GTCH3240D415EPCE
21278-14	FLTR HSG ASSY, GTCH3 SER, 20", DIN 40, 304 SS, EP	GTCH3240D415EP
21278-15	FLTR HSG ASSY, GTCH3 SER, 30", DIN 40, 304 SS, EP, CODE	GTCH3340D415EPCE
21278-16	FLTR HSG ASSY, GTCH3 SER, 30", DIN 40, 304 SS, EP	GTCH3340D415EP
21278-17	FLTR HSG ASSY, GTCH3 SER, 40", DIN 40, 304 SS, EP, CODE	GTCH3440D415EPCE
21278-18	FLTR HSG ASSY, GTCH3 SER, 40", DIN 40, 304 SS, EP	GTCH3440D415EP
21278-19	FLTR HSG ASSY, GTCH3 SER, 20", DIN 40, 316 SS, EP, CODE	GTCH3240D615EPCE
21278-20	FLTR HSG ASSY, GTCH3 SER, 20", DIN 40, 316 SS, EP	GTCH3240D615EP
21278-21	FLTR HSG ASSY, GTCH3 SER, 30", DIN 40, 316 SS, EP, CODE	GTCH3340D615EPCE
21278-22	FLTR HSG ASSY, GTCH3 SER, 30", DIN 40, 316 SS, EP	GTCH3340D615EP
21278-23	FLTR HSG ASSY, GTCH3 SER, 40", DIN 40, 316 SS, EP, CODE	GTCH3440D615EPCE
21278-24	FLTR HSG ASSY, GTCH3 SER, 40", DIN 40, 316 SS, EP	GTCH3440D615EP
21278-25	FLTR HSG ASSY, GTCH3 SER, 10", DIN 40, 304 SS, GB, CODE	GTCH3140D415GBCE
21278-26	FLTR HSG ASSY, GTCH3 SER, 10", DIN 40, 304 SS, GB	GTCH3140D415GB
21278-27	FLTR HSG ASSY, GTCH3 SER, 10", DIN 40, 316 SS, GB, CODE	GTCH3140D615GBCE
21278-28	FLTR HSG ASSY, GTCH3 SER, 10", DIN 40, 316 SS, GB	GTCH3140D615GB
21278-29	FLTR HSG ASSY, GTCH3 SER, 10", DIN 40, 304 SS, EP, CODE	GTCH3140D415EPCE
21278-30	FLTR HSG ASSY, GTCH3 SER, 10", DIN 40, 304 SS, EP	GTCH3140D415EP
21278-31	FLTR HSG ASSY, GTCH3 SER, 10", DIN 40, 316 SS, EP, CODE	GTCH3140D615EPCE
21278-32	FLTR HSG ASSY, GTCH3 SER, 10", DIN 40, 316 SS, EP	GTCH3140D615EP



DESIGN CONDITIONS	
CERTIFICATION MARK	OPTIONAL
DESIGN PRESSURE	1.0 MPa @ 120° C (145 psi @ 250° F)
MAWP	1 MPa (145 psi)
WORKING PRESSURE	1 MPa (145 psi)
WORKING TEMP. AQUEOUS	0~100° C (32~212° F)
WORKING TEMP. EDIBLE OIL	0~120° C (32~250° F)
CORROSION ALLOWANCE	0
NONDESTRUCTIVE EXAMINATION	NA
JOINT EFFICIENCIES	0.7 (HEAD 0.85)
MEDIUM	LIQUID GROUP 2
DESIGN TEMPERATURE	120° C (250° F)
MDMT	-28° C @ 1.0 MPa (-18° F @ 145 psi)
HYDROSTATIC TEST PRESSURE	1.43 MPa (VERTICAL) (208 psi)
PWHT	NOT REQUIRED
VESSEL WEIGHT	22.6 Kg (50 lbs) SEE NOTE 4
WEIGHT FULL WITH WATER	38.6 Kg (85 lbs) SEE NOTE 4
VOLUME	0.016 m³ (.6 ft³) SEE NOTE 4

- NOTES:
- UNLESS TOLERANCES ARE INDICATED, ALL DIMENSIONS ARE REVERENCE.
 - SEE SHEETS 2-5 FOR BILL OF MATERIALS.
 - MODELS COMPLY WITH REQUIREMENTS FOR DESIGN AND CONSTRUCTION IN ACCORDANCE WITH EU PRESSURE EQUIPMENT DIRECTIVE (PED) AND/OR ASME CODE SECTION VIII.DIV.1 2019 EDITION. CONFER WITH GLOBAL FOR ADDITIONAL DETAILS.
 - FOR 20" HEIGHT MODELS.

PROPRIETARY AND CONFIDENTIAL
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DRAWING IS THE SOLE PROPERTY OF
GLOBAL FILTER LLC. ANY
REPRODUCTION
IN PART OR AS A WHOLE WITHOUT
THE WRITTEN PERMISSION OF
GLOBAL FILTER LLC IS PROHIBITED.

REFERENCE ENGINEERING DRAWING 21278

		BILL OF MATERIALS																							
ITEM	DESCRIPTION	21278-xx																							
		-01 QTY	-02 QTY	-03 QTY	-04 QTY	-05 QTY	-06 QTY	-07 QTY	-08 QTY	-09 QTY	-10 QTY	-11 QTY	-12 QTY	-13 QTY	-14 QTY	-15 QTY	-16 QTY	-17 QTY	-18 QTY	-19 QTY	-20 QTY	-21 QTY	-22 QTY	-23 QTY	-24 QTY
D 1	FLTR HSG WLDMNT, DIN 40 SISO GTCH3 SER, 20" 304 SS	1	1											1	1										
	FLTR HSG WLDMNT, DIN 40 SISO GTCH3 SER, 30" 304 SS			1	1											1	1								
	FLTR HSG WLDMNT, DIN 40 SISO GTCH3 SER, 40" 304 SS					1	1											1	1						
	FLTR HSG WLDMNT, DIN 40 SISO GTCH3 SER, 20" 316 SS							1	1											1	1				
	FLTR HSG WLDMNT, DIN 40 SISO GTCH3 SER, 30" 316 SS									1	1											1	1		
	FLTR HSG WLDMNT, DIN 40 SISO GTCH3 SER, 40" 316 SS											1	1											1	1
	FLTR HSG WLDMNT, DIN 40 SISO GTCH3 SER, 10" 304 SS																								
C 2	FLTR HSG WLDMNT, DIN 40 SISO GTCH3 SER, 10" 316 SS																								
	O-RING, METRIC 171 ID X 7 CS, NITRILE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	LID WELDMENT, GTCH3 BSPT SERIES, 304 SS	1	1	1	1	1	1							1	1	1	1	1	1						
	LID WELDMENT, GTCH3 BSPT SERIES, 316 SS							1	1	1	1	1	1							1	1	1	1	1	1
	KIT, CLEVIS PEN w/ RETAINING RINGS	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	EYE BOLT, 1/2"	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	WASHER, FLAT, SS	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
C 3	EYE NUT, 1/2"-13	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	V-POST, CARTRIDGE VESSELS, 10", 304 SS																								
	V-POST, CARTRIDGE VESSELS, 20", 304 SS	3	3											3	3										
	V-POST, CARTRIDGE VESSELS, 30", 304 SS			3	3											3	3								
	V-POST, CARTRIDGE VESSELS, 40", 304 SS					3	3											3	3						
	V-POST, CARTRIDGE VESSELS, 10", 316 SS																								
	V-POST, CARTRIDGE VESSELS, 20", 316 SS							3	3											3	3				
B 4	V-POST, CARTRIDGE VESSELS, 30", 316 SS									3	3											3	3		
	V-POST, CARTRIDGE VESSELS, 40", 316 SS											3	3											3	3
	TIE ROD, CARTRIDGE VESSELS, 10", 304 SS																								
	TIE ROD, CARTRIDGE VESSELS, 20", 304 SS	1	1											1	1										
	TIE ROD, CARTRIDGE VESSELS, 30", 304 SS			1	1											1	1								
	TIE ROD, CARTRIDGE VESSELS, 40", 304 SS					1	1											1	1						
	TIE ROD, CARTRIDGE VESSELS, 10", 316 SS																								
B 5	TIE ROD, CARTRIDGE VESSELS, 20", 316 SS							1	1											1	1				
	TIE ROD, CARTRIDGE VESSELS, 30", 316 SS									1	1											1	1		
	TIE ROD, CARTRIDGE VESSELS, 40", 316 SS											1	1											1	1
	SPRING ASSEMBLY, CARTRIDGE VESSELS, 304 SS	3	3	3	3	3	3							3	3	3	3	3	3						
	SPRING ASSEMBLY, CARTRIDGE VESSELS, 316 SS							3	3	3	3	3	3							3	3	3	3	3	3
	HOLD DOWN PLT POST w/ EXT RET RINGS KIT, 304 SS	1	1	1	1	1	1							1	1	1	1	1	1						
	HOLD DOWN PLT POST w/ EXT RET RINGS KIT, 316 SS							1	1	1	1	1	1							1	1	1	1	1	1
A 6	HOLD DOWN PLT, CLOSED & DOE, GTCH3 SER, 304 SS	1	1	1	1	1	1							1	1	1	1	1	1						
	HOLD DOWN PLT, CLOSED & DOE, GTCH3 SER, 316 SS							1	1	1	1	1	1							1	1	1	1	1	1
	HOLD DOWN FIN CTG, GTCH3 SER, 304 SS	1	1	1	1	1	1							1	1	1	1	1	1						
	HOLD DOWN FIN CTG, GTCH3 SER, 316 SS							1	1	1	1	1	1							1	1	1	1	1	1
	TIE ROD NUT, CARTRIDGE VESSELS, 304 SS	1	1	1	1	1	1							1	1	1	1	1	1						
	TIE ROD NUT, CARTRIDGE VESSELS, 316 SS							1	1	1	1	1	1							1	1	1	1	1	1

SIZE

B

DWG. NO.

CS257

REV

Ax1

SCALE: 1:1

WEIGHT:

SHEET 2 OF 6

BILL OF MATERIALS																											
ITEM	DESCRIPTION	21278-xx																									
		-01 QTY	-02 QTY	-03 QTY	-04 QTY	-05 QTY	-06 QTY	-07 QTY	-08 QTY	-09 QTY	-10 QTY	-11 QTY	-12 QTY	-13 QTY	-14 QTY	-15 QTY	-16 QTY	-17 QTY	-18 QTY	-19 QTY	-20 QTY	-21 QTY	-22 QTY	-23 QTY	-24 QTY		
15	PIPE PLUG, 1" BSPT Rc HEX HEAD, 304 SS	1	1	1	1	1	1							1	1	1	1	1	1								
	PIPE PLUG, 1" BSPT Rc HEX HEAD, 316 SS							1	1	1	1	1	1							1	1	1	1	1	1	1	
16	PIPE PLUG, 1/4" BSPT Rc HEX HEAD, 304 SS	3	3	3	3	3	3							3	3	3	3	3	3								
	PIPE PLUG, 1/4" BSPT Rc HEX HEAD, 316 SS							3	3	3	3	3	3							3	3	3	3	3	3	3	
17	KIT, CLEVIS PEN w/ RETAINING RINGS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

SIZE B	DWG. NO. CS257	REV Ax1
SCALE: 1:1	WEIGHT:	SHEET 3 OF 6

BILL OF MATERIALS									
ITEM	DESCRIPTION	21278-xx							
		-25 QTY	-26 QTY	-27 QTY	-28 QTY	-29 QTY	-30 QTY	-31 QTY	-32 QTY
D	1								
	FLTR HSG WLDMNT, DIN 40 SISO GTCH3 SER, 20" 304 SS								
	FLTR HSG WLDMNT, DIN 40 SISO GTCH3 SER, 30" 304 SS								
	FLTR HSG WLDMNT, DIN 40 SISO GTCH3 SER, 40" 304 SS								
	FLTR HSG WLDMNT, DIN 40 SISO GTCH3 SER, 20" 316 SS								
	FLTR HSG WLDMNT, DIN 40 SISO GTCH3 SER, 30" 316 SS								
	FLTR HSG WLDMNT, DIN 40 SISO GTCH3 SER, 40" 316 SS								
	FLTR HSG WLDMNT, DIN 40 SISO GTCH3 SER, 10" 304 SS	1	1			1	1		
	FLTR HSG WLDMNT, DIN 40 SISO GTCH3 SER, 10" 316 SS			1	1			1	1
	2 O-RING, METRIC 171 ID X 7 CS, NITRILE	1	1	1	1	1	1	1	1
	3 LID WELDMENT, GTCH3 BSPT SERIES, 304 SS	1	1			1	1		
	LID WELDMENT, GTCH3 BSPT SERIES, 316 SS			1	1			1	1
	4 KIT, CLEVIS PEN w/ RETAINING RINGS	2	2	2	2	2	2	2	2
	5 EYE BOLT, 1/2"	3	3	3	3	3	3	3	3
C	6 WASHER, FLAT, SS	3	3	3	3	3	3	3	3
	7 EYE NUT, 1/2"-13	3	3	3	3	3	3	3	3
	8								
	V-POST, CARTRIDGE VESSELS, 10", 304 SS	3	3			3	3		
	V-POST, CARTRIDGE VESSELS, 20", 304 SS								
	V-POST, CARTRIDGE VESSELS, 30", 304 SS								
	V-POST, CARTRIDGE VESSELS, 40", 304 SS								
	V-POST, CARTRIDGE VESSELS, 10", 316 SS			3	3			3	3
	V-POST, CARTRIDGE VESSELS, 20", 316 SS								
	V-POST, CARTRIDGE VESSELS, 30", 316 SS								
B	9								
	TIE ROD, CARTRIDGE VESSELS, 10", 304 SS	1	1			1	1		
	TIE ROD, CARTRIDGE VESSELS, 20", 304 SS								
	TIE ROD, CARTRIDGE VESSELS, 30", 304 SS								
	TIE ROD, CARTRIDGE VESSELS, 40", 304 SS								
	TIE ROD, CARTRIDGE VESSELS, 10", 316 SS			1	1			1	1
	TIE ROD, CARTRIDGE VESSELS, 20", 316 SS								
	TIE ROD, CARTRIDGE VESSELS, 30", 316 SS								
A	10								
	SPRING ASSEMBLY, CARTRIDGE VESSELS, 304 SS	3	3			3	3		
	SPRING ASSEMBLY, CARTRIDGE VESSELS, 316 SS			3	3			3	3
	11								
	HOLD DOWN PLT POST w/ EXT RET RINGS KIT, 304 SS	1	1			1	1		
	HOLD DOWN PLT POST w/ EXT RET RINGS KIT, 316 SS			1	1			1	1
	12								
	HOLD DOWN PLT, CLOSED & DOE, GTCH3 SER, 304 SS	1	1			1	1		
	13								
	HOLD DOWN PLT, CLOSED & DOE, GTCH3 SER, 316 SS			1	1			1	1
	HOLD DOWN FIN CTG, GTCH3 SER, 304 SS	1	1			1	1		
	HOLD DOWN FIN CTG, GTCH3 SER, 316 SS			1	1			1	1
	14								
	TIE ROD NUT, CARTRIDGE VESSELS, 304 SS	1	1			1	1		
	TIE ROD NUT, CARTRIDGE VESSELS, 316 SS			1	1			1	1

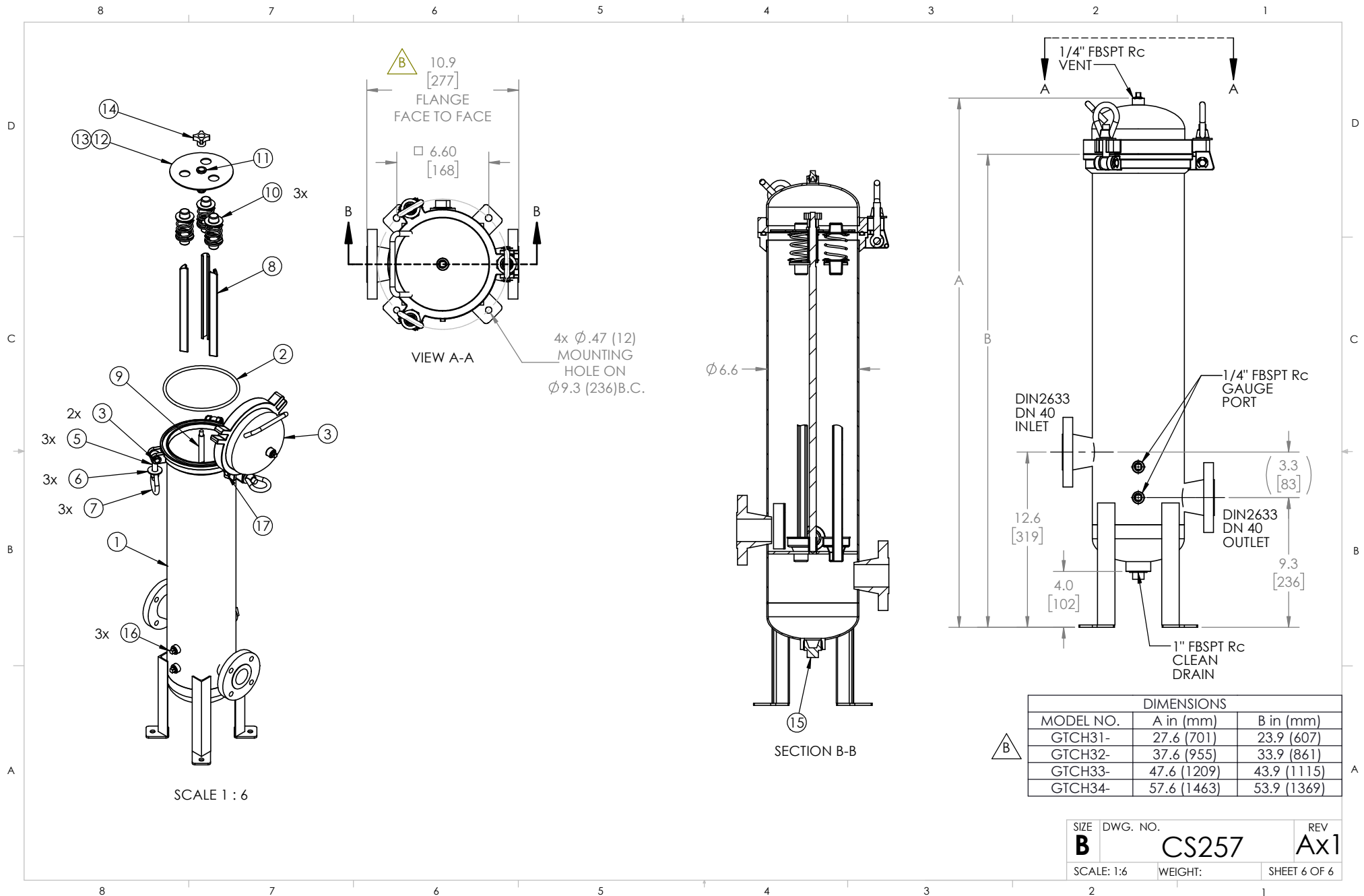


SIZE B	DWG. NO. CS257	REV Ax1
SCALE: 1:1	WEIGHT:	SHEET 4 OF 6

BILL OF MATERIALS									
ITEM	DESCRIPTION	21278-xx							
		-25 QTY	-26 QTY	-27 QTY	-28 QTY	-29 QTY	-30 QTY	-31 QTY	-32 QTY
15	PIPE PLUG, 1" BSPT Rc HEX HEAD, 304 SS	1	1			1	1		
	PIPE PLUG, 1" BSPT Rc HEX HEAD, 316 SS			1	1			1	1
16	PIPE PLUG, 1/4" BSPT Rc HEX HEAD, 304 SS	3	3			3	3		
	PIPE PLUG, 1/4" BSPT Rc HEX HEAD, 316 SS			3	3			3	3
17	KIT, CLEVIS PEN w/ RETAINING RINGS	1	1	1	1	1	1	1	1



SIZE	DWG. NO.	REV
B	CS257	Ax1
SCALE: 1:1	WEIGHT:	SHEET 5 OF 6



DIMENSIONS		
MODEL NO.	A in (mm)	B in (mm)
GTCH31-	27.6 (701)	23.9 (607)
GTCH32-	37.6 (955)	33.9 (861)
GTCH33-	47.6 (1209)	43.9 (1115)
GTCH34-	57.6 (1463)	53.9 (1369)

SIZE	DWG. NO.	REV
B	CS257	Ax1
SCALE: 1:6	WEIGHT:	SHEET 6 OF 6