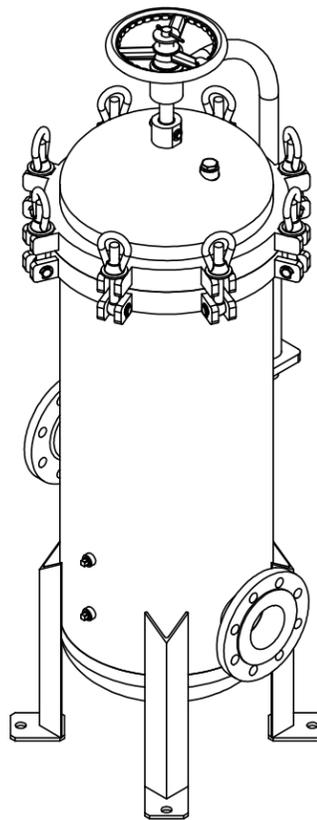


TABULATION		
PART NO.	DESCRIPTION	GLOBAL FILTER MODEL NO.
21282-01	FLTR HSG ASSY, GTCH12 SER, 20", DIN 80 304 SS, GB, CODE	GTCH12280D2415GBU
21282-02	FLTR HSG ASSY, GTCH12 SER, 20", DIN 80 304 SS, GB	GTCH12280D2415GB
21282-03	FLTR HSG ASSY, GTCH12 SER, 30", DIN 80 304 SS, GB, CODE	GTCH12380D2415GBU
21282-04	FLTR HSG ASSY, GTCH12 SER, 30", DIN 80 304 SS, GB	GTCH12380D2415GB
21282-05	FLTR HSG ASSY, GTCH12 SER, 40", DIN 80 304 SS, GB, CODE	GTCH12480D2415GBU
21282-06	FLTR HSG ASSY, GTCH12 SER, 40", DIN 80 304 SS, GB	GTCH12480D2415GB
21282-07	FLTR HSG ASSY, GTCH12 SER, 20", DIN 80 316 SS, GB, CODE	GTCH12280D2615GBU
21282-08	FLTR HSG ASSY, GTCH12 SER, 20", DIN 80 316 SS, GB	GTCH12280D2615GB
21282-09	FLTR HSG ASSY, GTCH12 SER, 30", DIN 80 316 SS, GB, CODE	GTCH12380D2615GBU
21282-10	FLTR HSG ASSY, GTCH12 SER, 30", DIN 80 316 SS, GB	GTCH12380D2615GB
21282-11	FLTR HSG ASSY, GTCH12 SER, 40", DIN 80 316 SS, GB, CODE	GTCH12480D2615GBU
21282-12	FLTR HSG ASSY, GTCH12 SER, 40", DIN 80 316 SS, GB	GTCH12480D2615GB
21282-13	FLTR HSG ASSY, GTCH12 SER, 20", DIN 80 304 SS, EP, CODE	GTCH12280D2415EPU
21282-14	FLTR HSG ASSY, GTCH12 SER, 20", DIN 80 304 SS, EP	GTCH12280D2415EP
21282-15	FLTR HSG ASSY, GTCH12 SER, 30", DIN 80 304 SS, EP, CODE	GTCH12380D2415EPU
21282-16	FLTR HSG ASSY, GTCH12 SER, 30", DIN 80 304 SS, EP	GTCH12380D2415EP
21282-17	FLTR HSG ASSY, GTCH12 SER, 40", DIN 80 304 SS, EP, CODE	GTCH12480D2415EPU
21282-18	FLTR HSG ASSY, GTCH12 SER, 40", DIN 80 304 SS, EP	GTCH12480D2415EP
21282-19	FLTR HSG ASSY, GTCH12 SER, 20", DIN 80 316 SS, EP, CODE	GTCH12280D2615EPU
21282-20	FLTR HSG ASSY, GTCH12 SER, 20", DIN 80 316 SS, EP	GTCH12280D2615EP
21282-21	FLTR HSG ASSY, GTCH12 SER, 30", DIN 80 316 SS, EP, CODE	GTCH12380D2615EPU
21282-22	FLTR HSG ASSY, GTCH12 SER, 30", DIN 80 316 SS, EP	GTCH12380D2615EP
21282-23	FLTR HSG ASSY, GTCH12 SER, 40", DIN 80 316 SS, EP, CODE	GTCH12480D2615EPU
21282-24	FLTR HSG ASSY, GTCH12 SER, 40", DIN 80 316 SS, EP	GTCH12480D2615EP
21282-25	FLTR HSG ASSY, GTCH12 SER, 10", DIN 80 304 SS, GB, CODE	GTCH12180D2415GBU
21282-26	FLTR HSG ASSY, GTCH12 SER, 10", DIN 80 304 SS, GB	GTCH12180D2415GB
21282-27	FLTR HSG ASSY, GTCH12 SER, 10", DIN 80 316 SS, GB, CODE	GTCH12180D2615GBU
21282-28	FLTR HSG ASSY, GTCH12 SER, 10", DIN 80 316 SS, GB	GTCH12180D2615GB
21282-29	FLTR HSG ASSY, GTCH12 SER, 10", DIN 80 304 SS, EP, CODE	GTCH12180D2415EPU
21282-30	FLTR HSG ASSY, GTCH12 SER, 10", DIN 80 304 SS, EP	GTCH12180D2415EP
21282-31	FLTR HSG ASSY, GTCH12 SER, 10", DIN 80 316 SS, EP, CODE	GTCH12180D2615EPU
21282-32	FLTR HSG ASSY, GTCH12 SER, 10", DIN 80 316 SS, EP	GTCH12180D2615EP



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	93.2 Kg (206 lbs) SEE NOTE 4
WEIGHT FULL WITH WATER	238 Kg (525 lbs) SEE NOTE 4
VOLUME	0.145 m³ (5.12 ft³) SEE NOTE 4

- NOTES:
- UNLESS TOLERANCES ARE INDICATED, ALL DIMENSIONS ARE REFERENCE.
 - SEE SHEETS 2, 3, 4 & 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
 THE INFORMATION CONTAINED IN THIS 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 21282

DIMENSIONS ARE IN INCHES TOLERANCES: ANGULAR ± 0.5° X.X ± .060 X.XX ± .015 X.XXX ± .005		GLOBAL FILTER LLC		
MATERIAL SEE TABULATION TABLE				
FINISH SEE TABULATION TABLE		TITLE: FLTR HSG ASSY, DIN 80 SISO GTCH12 SER, TAB		
A	EC200928-01	SIZE	DWG. NO.	REV
REV	EC NUMBER	B	CS261	x1
EC HISTORY		SCALE: 1:8	WEIGHT:	SHEET 1 OF 7
DRAWN BY	NAME	DATE		
ENG APPR.	EG	9-30-20		

BILL OF MATERIALS

ITEM	DESCRIPTION	21282-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
1	FLTR HSG WLDMNT, DIN 80 SISO GTCH12 SER, 20" 304 SS	1	1											1	1										
	FLTR HSG WLDMNT, DIN 80 SISO GTCH12 SER, 30" 304 SS			1	1											1	1								
	FLTR HSG WLDMNT, DIN 80 SISO GTCH12 SER, 40" 304 SS					1	1											1	1						
	FLTR HSG WLDMNT, DIN 80 SISO GTCH12 SER, 20" 316 SS							1	1											1	1				
	FLTR HSG WLDMNT, DIN 80 SISO GTCH12 SER, 30" 316 SS									1	1											1	1		
	FLTR HSG WLDMNT, DIN 80 SISO GTCH12 SER, 40" 316 SS											1	1											1	1
	FLTR HSG WLDMNT, DIN 80 SISO GTCH12 SER, 10" 304 SS																								
	FLTR HSG WLDMNT, DIN 80 SISO GTCH12 SER, 10" 316 SS																								
2	O-RING, METRIC 365 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
3	LID WELDMENT, GTCH12 BSPT SERIES, 304 SS	1	1	1	1	1	1							1	1	1	1	1	1						
	LID WELDMENT, GTCH12 BSPT SERIES, 316 SS							1	1	1	1	1	1							1	1	1	1	1	1
4	KIT, CLEVIS PEN w/ RETAINING RINGS, .63 x 2.125"	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5	EYE BOLT, 5/8"-11	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
6	WASHER, 5/8" FLAT, SS	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
7	EYE NUT, 5/8"-11	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
8	V-POST, CARTRIDGE VESSELS SERIES, 20", 304 SS	12	12											12	12										
	V-POST, CARTRIDGE VESSELS SERIES, 30", 304 SS			12	12											12	12								
	V-POST, CARTRIDGE VESSELS SERIES, 40", 304 SS					12	12											12	12						
	V-POST, CARTRIDGE VESSELS SERIES, 20", 316 SS							12	12											12	12				
	V-POST, CARTRIDGE VESSELS SERIES, 30", 316 SS									12	12											12	12		
	V-POST, CARTRIDGE VESSELS SERIES, 40", 316 SS											12	12											12	12
	V-POST, CARTRIDGE VESSELS SERIES, 10", 304 SS																								
	V-POST, CARTRIDGE VESSELS SERIES, 10", 316 SS																								
9	TIE ROD, CARTRIDGE VESSELS SERIES, 20", 304 SS	4	4											4	4										
	TIE ROD, CARTRIDGE VESSELS SERIES, 30", 304 SS			4	4											4	4								
	TIE ROD, CARTRIDGE VESSELS SERIES, 40", 304 SS					4	4											4	4						
	TIE ROD, CARTRIDGE VESSELS SERIES, 20", 316 SS							4	4											4	4				
	TIE ROD, CARTRIDGE VESSELS SERIES, 30", 316 SS									4	4											4	4		
	TIE ROD, CARTRIDGE VESSELS SERIES, 40", 316 SS											4	4											4	4
	TIE ROD, CARTRIDGE VESSELS SERIES, 10", 304 SS																								
	TIE ROD, CARTRIDGE VESSELS SERIES, 10", 316 SS																								
10	SPRING ASSEMBLY, CARTRIDGE VESSELS, 304 SS	12	12	12	12	12	12							12	12	12	12	12	12						
	SPRING ASSEMBLY, CARTRIDGE VESSELS, 316 SS							12	12	12	12	12	12							12	12	12	12	12	12
11	HOLD DOWN PLT POST w/ EXT RET RINGS KIT, 304 SS	4	4	4	4	4	4							4	4	4	4	4	4						
	HOLD DOWN PLT POST w/ EXT RET RINGS KIT, 316 SS							4	4	4	4	4	4							4	4	4	4	4	4
12	HOLD DOWN PLT, CLOSED & DOE, GTCH12 SER, 304 SS	4	4	4	4	4	4							4	4	4	4	4	4						
	HOLD DOWN PLT, CLOSED & DOE, GTCH12 SER, 316 SS							4	4	4	4	4	4							4	4	4	4	4	4
13	HOLD DOWN FIN CTG, GTCH12 SER, 304 SS	4	4	4	4	4	4							4	4	4	4	4	4						
	HOLD DOWN FIN CTG, GTCH12 SER, 316 SS							4	4	4	4	4	4							4	4	4	4	4	4
14	TIE ROD NUT, CARTRIDGE VESSELS SERIES, 304 SS	4	4	4	4	4	4							4	4	4	4	4	4						
	TIE ROD NUT, CARTRIDGE VESSELS SERIES, 316 SS							4	4	4	4	4	4							4	4	4	4	4	4

SIZE B	DWG. NO. CS261	REV x1
SCALE: 1:1	WEIGHT:	SHEET 2 OF 7

BILL OF MATERIALS

ITEM	DESCRIPTION	21282-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 HEX HEAD, 304 SS	1	1	1	1	1	1							1	1	1	1	1							
	PIPE PLUG, 1" BSPT HEX HEAD, 316 SS							1	1	1	1	1	1							1	1	1	1	1	1
16	PIPE PLUG, 1/4" BSPT HEX HEAD, 304 SS	2	2	2	2	2	2							2	2	2	2	2	2						
	PIPE PLUG, 1/4" BSPT HEX HEAD, 316 SS							2	2	2	2	2	2							2	2	2	2	2	2
17	PIPE PLUG, 1/2" BSPT HEX HEAD, 304 SS	1	1	1	1	1	1							1	1	1	1	1	1						
	PIPE PLUG, 1/2" BSPT HEX HEAD, 316 SS							1	1	1	1	1	1							1	1	1	1	1	1
18	KIT, CLEVIS PEN w/ RETAINING RINGS KIT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	THREADED ROD, DAVIT ARM, 4 & 6 BAG VESSEL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	WELDMENT, DAVIT ARM, GTCH12, 304 SS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	WASHER, DAVIT ARM, GTCH, BRASS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	7/8" THRUST BEARING	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	HAND WHEEL, 8", DAVIT ARM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	FLAT WASHER, 5/8" ZINC PLATED	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	5/32 x 2.0 18-8 SS COTTER PIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	PIPE PLUG, 1-1/2" BSPT HEX HEAD, 304 SS	1	1	1	1	1	1							1	1	1	1	1	1						
	PIPE PLUG, 1-1/2" BSPT HEX HEAD, 316 SS							1	1	1	1	1	1							1	1	1	1	1	1

D

D

C

C

B

B

A

A

SIZE B	DWG. NO. CS261	REV x1
SCALE: 1:1	WEIGHT:	SHEET 3 OF 7

BILL OF MATERIALS

ITEM	DESCRIPTION	21282-xx							
		-25 QTY	-26 QTY	-27 QTY	-28 QTY	-29 QTY	-30 QTY	-31 QTY	-32 QTY
1	FLTR HSG WLDMNT, DIN 80 SISO GTCH12 SER, 20" 304 SS								
	FLTR HSG WLDMNT, DIN 80 SISO GTCH12 SER, 30" 304 SS								
	FLTR HSG WLDMNT, DIN 80 SISO GTCH12 SER, 40" 304 SS								
	FLTR HSG WLDMNT, DIN 80 SISO GTCH12 SER, 20" 316 SS								
	FLTR HSG WLDMNT, DIN 80 SISO GTCH12 SER, 30" 316 SS								
	FLTR HSG WLDMNT, DIN 80 SISO GTCH12 SER, 40" 316 SS								
	FLTR HSG WLDMNT, DIN 80 SISO GTCH12 SER, 10" 304 SS	1	1			1	1		
	FLTR HSG WLDMNT, DIN 80 SISO GTCH12 SER, 10" 316 SS			1	1			1	1
2	O-RING, METRIC 365 ID X 7 CS, NITRILE	1	1	1	1	1	1	1	1
3	LID WELDMENT, GTCH12 BSPT SERIES, 304 SS	1	1			1	1		
	LID WELDMENT, GTCH12 BSPT SERIES, 316 SS			1	1			1	1
4	KIT, CLEVIS PEN w/ RETAINING RINGS, .63 x 2.125"	8	8	8	8	8	8	8	8
5	EYE BOLT, 5/8"-11	8	8	8	8	8	8	8	8
6	WASHER, 5/8" FLAT, SS	8	8	8	8	8	8	8	8
7	EYE NUT, 5/8"-11	8	8	8	8	8	8	8	8
8	V-POST, CARTRIDGE VESSELS SERIES, 20", 304 SS								
	V-POST, CARTRIDGE VESSELS SERIES, 30", 304 SS								
	V-POST, CARTRIDGE VESSELS SERIES, 40", 304 SS								
	V-POST, CARTRIDGE VESSELS SERIES, 20", 316 SS								
	V-POST, CARTRIDGE VESSELS SERIES, 30", 316 SS								
	V-POST, CARTRIDGE VESSELS SERIES, 40", 316 SS								
	V-POST, CARTRIDGE VESSELS SERIES, 10", 304 SS	12	12			12	12		
	V-POST, CARTRIDGE VESSELS SERIES, 10", 316 SS			12	12			12	12
9	TIE ROD, CARTRIDGE VESSELS SERIES, 20", 304 SS								
	TIE ROD, CARTRIDGE VESSELS SERIES, 30", 304 SS								
	TIE ROD, CARTRIDGE VESSELS SERIES, 40", 304 SS								
	TIE ROD, CARTRIDGE VESSELS SERIES, 20", 316 SS								
	TIE ROD, CARTRIDGE VESSELS SERIES, 30", 316 SS								
	TIE ROD, CARTRIDGE VESSELS SERIES, 40", 316 SS								
	TIE ROD, CARTRIDGE VESSELS SERIES, 10", 304 SS	4	4			4	4		
	TIE ROD, CARTRIDGE VESSELS SERIES, 10", 316 SS			4	4			4	4
10	SPRING ASSEMBLY, CARTRIDGE VESSELS, 304 SS	12	12			12	12		
	SPRING ASSEMBLY, CARTRIDGE VESSELS, 316 SS			12	12			12	12
11	HOLD DOWN PLT POST w/ EXT RET RINGS KIT, 304 SS	4	4			4	4		
	HOLD DOWN PLT POST w/ EXT RET RINGS KIT, 316 SS			4	4			4	4
12	HOLD DOWN PLT, CLOSED & DOE, GTCH12 SER, 304 SS	4	4			4	4		
	HOLD DOWN PLT, CLOSED & DOE, GTCH12 SER, 316 SS			4	4			4	4
13	HOLD DOWN FIN CTG, GTCH12 SER, 304 SS	4	4			4	4		
	HOLD DOWN FIN CTG, GTCH12 SER, 316 SS			4	4			4	4
14	TIE ROD NUT, CARTRIDGE VESSELS SERIES, 304 SS	4	4			4	4		
	TIE ROD NUT, CARTRIDGE VESSELS SERIES, 316 SS			4	4			4	4

D
C
B
A

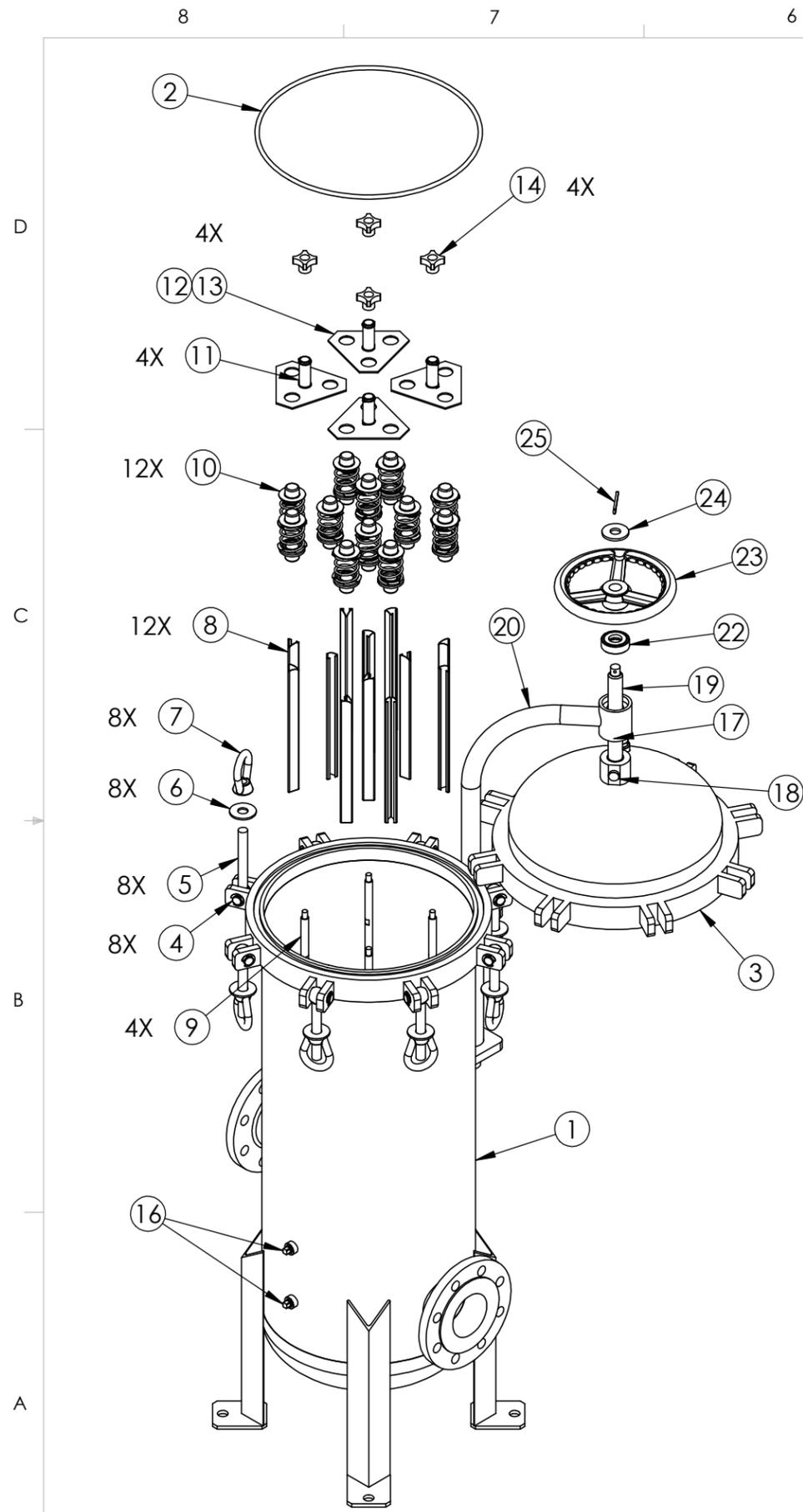
D
C
B
A

SIZE B	DWG. NO. CS261	REV x1
SCALE: 1:1	WEIGHT:	SHEET 4 OF 7

BILL OF MATERIALS

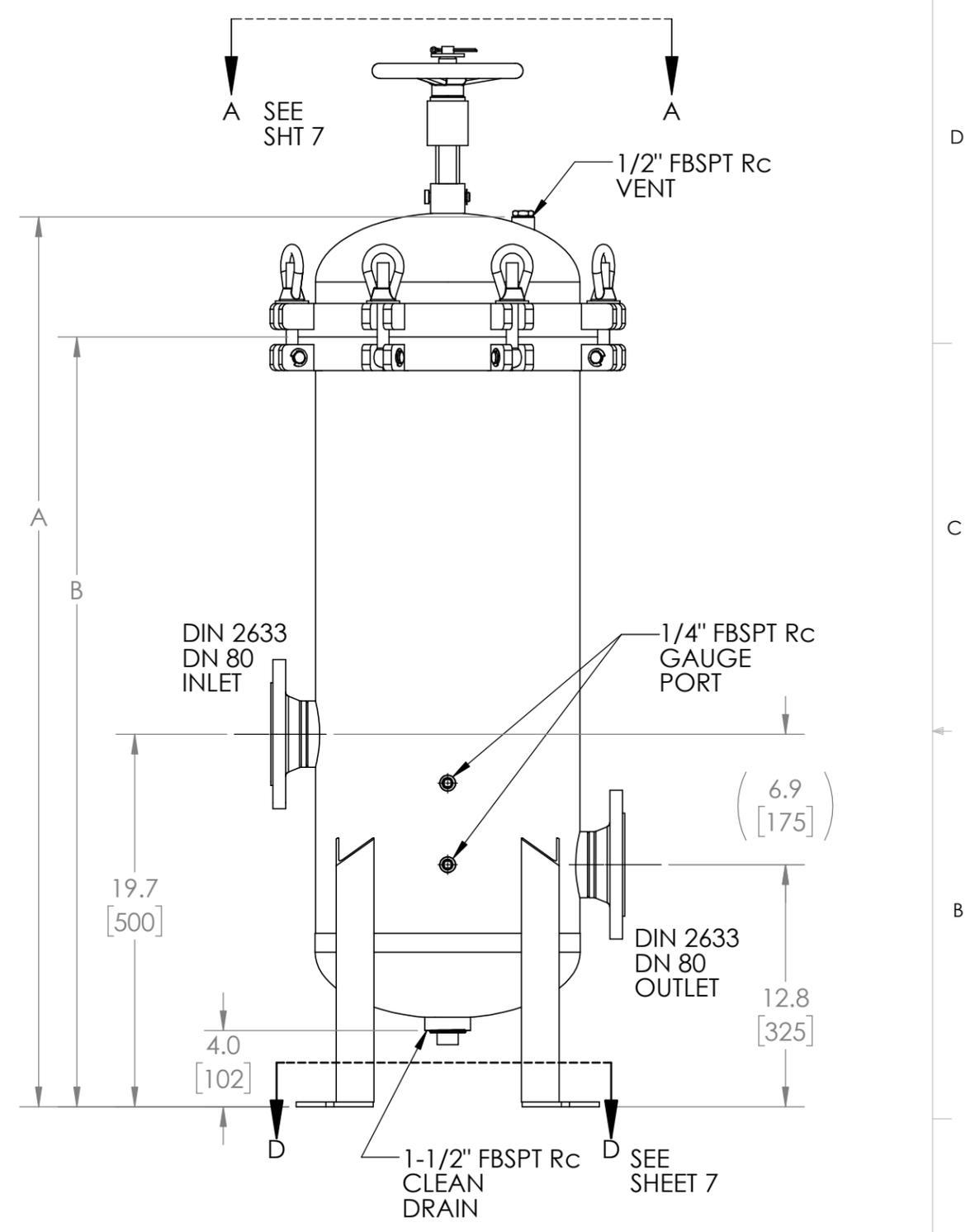
ITEM	DESCRIPTION	21282-xx							
		-25 QTY	-26 QTY	-27 QTY	-28 QTY	-29 QTY	-30 QTY	-31 QTY	-32 QTY
15	PIPE PLUG, 1" BSPT HEX HEAD, 304 SS	1	1			1	1		
	PIPE PLUG, 1" BSPT HEX HEAD, 316 SS			1	1			1	1
16	PIPE PLUG, 1/4" BSPT HEX HEAD, 304 SS	2	2			2	2		
	PIPE PLUG, 1/4" BSPT HEX HEAD, 316 SS			2	2			2	2
17	PIPE PLUG, 1/2" BSPT HEX HEAD, 304 SS	1	1			1	1		
	PIPE PLUG, 1/2" BSPT HEX HEAD, 316 SS			1	1			1	1
18	KIT, CLEVIS PEN w/ RETAINING RINGS KIT	1	1	1	1	1	1	1	1
19	THREADED ROD, DAVIT ARM, 4 & 6 BAG VESSEL	1	1	1	1	1	1	1	1
20	WELDMENT, DAVIT ARM, GTCH12, 304 SS	1	1	1	1	1	1	1	1
21	WASHER, DAVIT ARM, GTCH, BRASS	1	1	1	1	1	1	1	1
22	7/8" THRUST BEARING	1	1	1	1	1	1	1	1
23	HAND WHEEL, 8", DAVIT ARM	1	1	1	1	1	1	1	1
24	FLAT WASHER, 5/8" ZINC PLATED	1	1	1	1	1	1	1	1
25	5/32 x 2.0 18-8 SS COTTER PIN	1	1	1	1	1	1	1	1
26	PIPE PLUG, 1-1/2" BSPT HEX HEAD, 304 SS	1	1			1	1		
	PIPE PLUG, 1-1/2" BSPT HEX HEAD, 316 SS			1	1			1	1

SIZE B	DWG. NO. CS261	REV x1
SCALE: 1:1	WEIGHT:	SHEET 5 OF 7



DIMENSIONS		
MODEL NO.	A in (mm)	B in (mm)
GTCH121-	36.9 (937)	30.7 (780)
GTCH122-	46.9 (1191)	40.7 (1034)
GTCH123-	56.9 (1445)	50.7 (1288)
GTCH124-	66.9 (1699)	60.7 (1542)

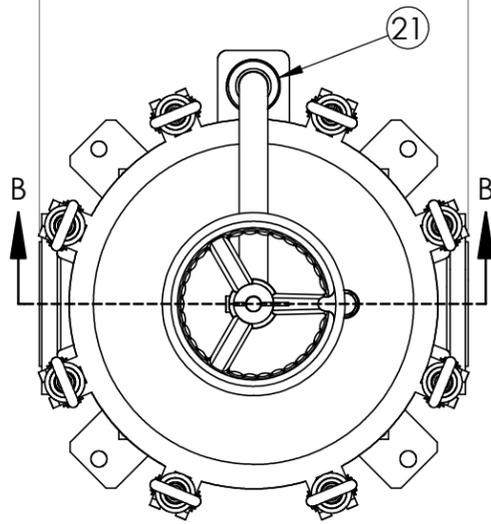
SCALE 1:10



SIZE B	DWG. NO. CS261	REV x1
SCALE: 1:8	WEIGHT:	SHEET 6 OF 7

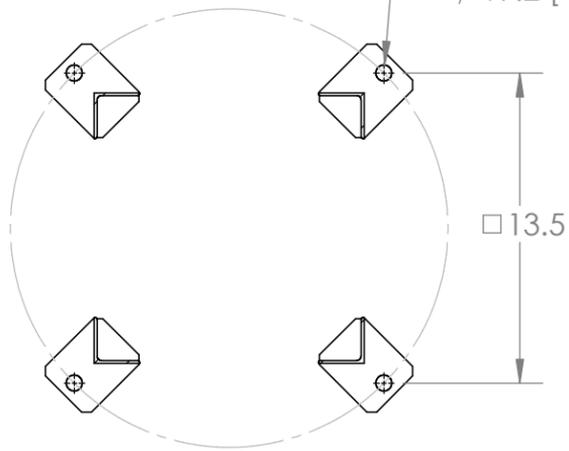
8 7 6 5 4 3 2 1

18.8±.38
[476.6±9.5]
FLANGE FACE
TO FLANGE FACE



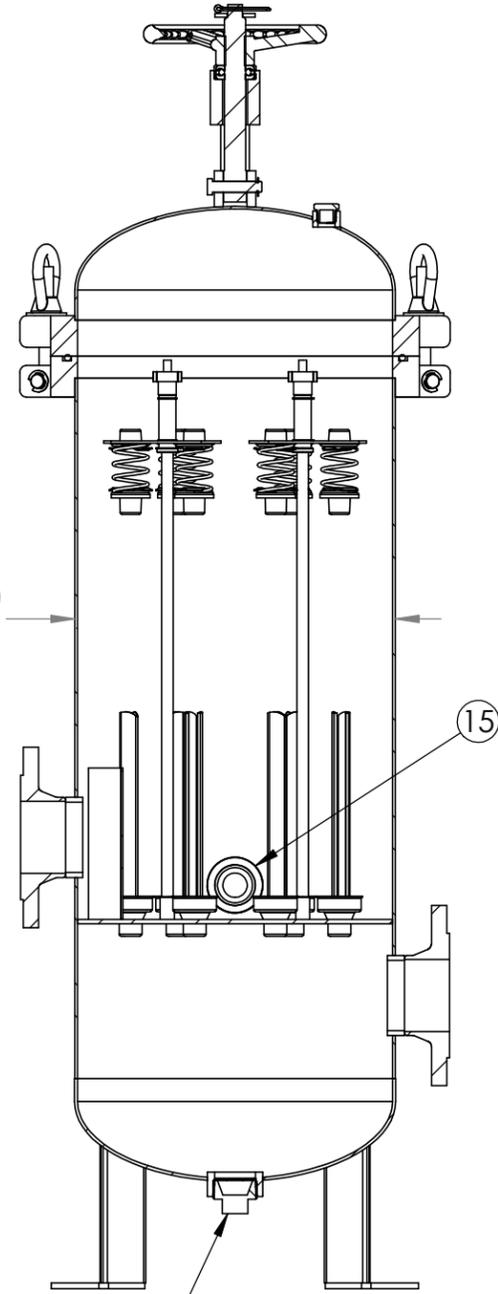
VIEW A-A

4x ϕ .70 [18]
MOUNTING
HOLE ON
 ϕ 19.2 [488] B.C.



SECTION D-D

ϕ 14.0
[356]



SECTION B-B

SIZE B	DWG. NO. CS261	REV x1
SCALE: 1:8	WEIGHT:	SHEET 7 OF 7

8 7 6 5 4 3 2 1