



OIL CHARGE U.S. GALS (LBS)	
SINGLE FILTER	DOUBLE FILTER
99(743)	110(825)
ADD OIL COOLER OIL CHARGE	

- NOTES
- ALL DIMENSIONS ARE IN INCHES.
 - A DISCHARGE STOP/CHECK VALVE TO BE SHIPPED LOOSE. MOUNT AS CLOSE TO CONDENSER AS POSSIBLE. IN A HORIZONTAL LINE, VALVE STEM MUST BE IN THE VERTICAL POSITION AS SHOWN. VALVES SIZED PER CONDITIONS.
 - SEPARATE DISCHARGE STOP & CHECK VALVES ARE OPTIONAL AND SHIPPED LOOSE.
 - DUAL RELIEF VALVE TO BE SHIPPED LOOSE. FOR AMMONIA: VALVE IS SET AT 250 PSIG. IT HAS 1" INLET X 1 1/4" OUTLET CONNECTIONS RATED FOR 85.4 LBS AIR/MIN. FOR R-22: VALVE IS SET AT 300 PSIG. IT HAS 1 1/4" INLET X 1 1/2" OUTLET CONNECTIONS RATED FOR 160.2 LBS AIR/MIN. FOR R-507: VALVE IS SET AT 300 PSIG. IT HAS 1 1/4" INLET X 1 1/2" OUTLET CONNECTIONS RATED FOR 138.1 LBS AIR/MIN. FOR R-134a: VALVE IS SET AT 300 PSIG. IT HAS 1 1/4" INLET X 1 1/2" OUTLET CONNECTIONS RATED FOR 138.1 LBS AIR/MIN.

- FOR ALL OTHER REFRIGERANTS CONTACT THE FACTORY
- DASHED MOTOR (FRAME 444 TS) IS SHOWN FOR REFERENCE ONLY. SEE TABLE 5 AND MOTOR DATA SHEET FOR DETAILS.
 - FLANGE BOLT HOLES STRADDLE CENTERLINES UNLESS OTHERWISE NOTED.
 - ALL PRESSURE GAUGES WILL SHIP LOOSE.
 - SOME DETAILS HAVE BEEN REMOVED FOR CLARITY.
 - REMOVAL OF ACTUATOR MOTOR WILL RESULT IN A 5 INCH HEIGHT REDUCTION. REMOVAL OF THE COMMAND SHAFT WILL RESULT IN AN ADDITIONAL 2.5 INCHES OF HEIGHT REDUCTION.

THIS DRAWING IS SUITABLE FOR COUNTER-CLOCKWISE 280mm VSS COMPRESSOR VSS 751 AND 901
 Ø 42.00 OIL SEPARATOR
 HIGH STAGE, BOOSTER, OR SWING ECON-O-MIZER (STD OR OVERSIZE CONNECTIONS)
 SINGLE OR DUAL FILTERS

CONNECTION SCHEDULE			
I.D.	SIZE	CONNECTION	FUNCTION
A	SEE CHART A	BUTT WELD (SCH. 40)	SUCTION INLET
B	5.00	BUTT WELD (SCH. 40)	DISCHARGE OUTLET
D	.500-14	IPT	PRESSURE RELIEF SEE NOTE 4
E	.500-14	IPT	OIL DRAIN & CHARGER WHEN UNIT NOT RUNNING
F	.250-18	IPT	OIL CHARGER WHEN UNIT IS RUNNING
G	1.50-300#	ANSI FLANGE	STANDARD ECON-O-MIZER INLET
	2.50-300#	ANSI FLANGE	OVERSIZE ECON-O-MIZER INLET
H	.250-18	IPT	TRANSDUCER BLOCK/BLEED
J	1.500	BW	OIL TO OIL COOLER
K	1.500	BW	OIL FROM OIL COOLER

SHIPPING WEIGHT (ADD EACH TABLE FOR ESTIMATED SHIPPING WEIGHT)			
TABLE 1 SUCTION SIZE	SEPARATOR, SUCTION, PIPING & LI (LBS)		
5"	6780		
6"	6870		
TABLE 2 OPTIONAL DUAL FILTERS	+75 LBS		
TABLE 5 NEMA FRAMES TYPICAL MOTORS			
FRAME (ODP)	WEIGHT (LBS)	FRAME (ODP)	WEIGHT (LBS)
254T	260	365TS	780
256T	270	404TS	900
284T	360	405TS	975
286T	400	444TS	1300
324TS	480	445TS	1475
326TS	540	447TS	1770
364TS	725	449TS	2135
TABLE 3 COMPRESSOR SIZE	WEIGHT (LBS)		
VSS-751	1600		
VSS-901	1650		

SUCTION LINE SIZE	STD ARRANGEMENT COMBINED STOP/CHK VALVE		FOR BOTH STD OPT ARRANGEMENT		OPTL ARRANGEMENT SEPARATE STOP & CHK VALVES		TOP OF STRAINER HOUSING
	AA		BB		AA		
	AMMO	HALO			AMMO	HALO	
5"	8.4	8.4	113.06		11.6	18.8	103.5
6"	11.75	13.25	115.19		19.1	23.0	103.5

RO	INITIAL RELEASE. ECN: S050295	ANB	RPK	10/4/05
SYM	REVISION	BY DRAWN	BY APPR.	DATE

CONFIDENTIAL PROPERTY OF

VILTER MANUFACTURING CORPORATION
 CUDAHY, WISCONSIN 53110-8904
 TELEPHONE No. (414) 744-0111

DRAWN BY: ANB CHECKED BY: SCALE: DATE: 10/4/05

REDRAWN BY: APPROVED BY: DATE: 10/4/05

TITLE: GEN DIMENSIONS 280mm VSS-751 AND 901 W/Ø 42.0 SEPARATOR
 FOR: REMOTE OIL COOLER

DRAWING NO. 27758-6 R0