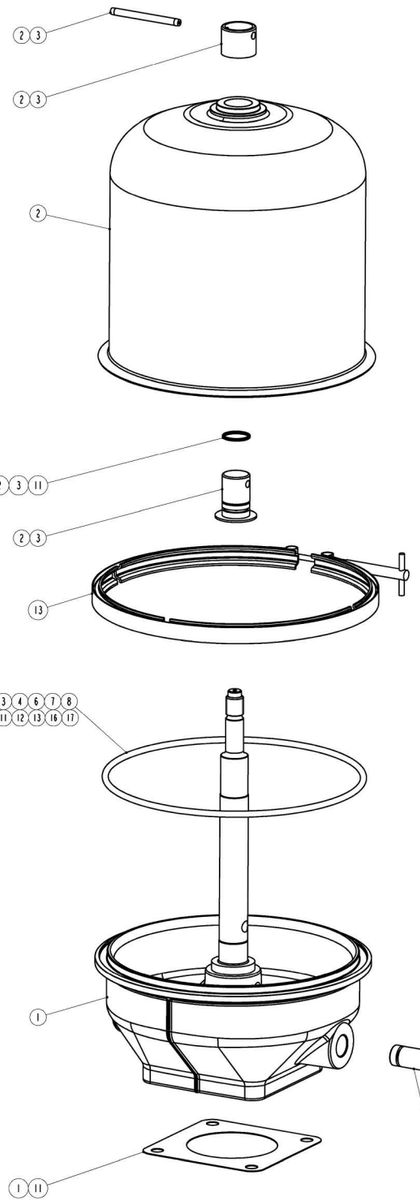
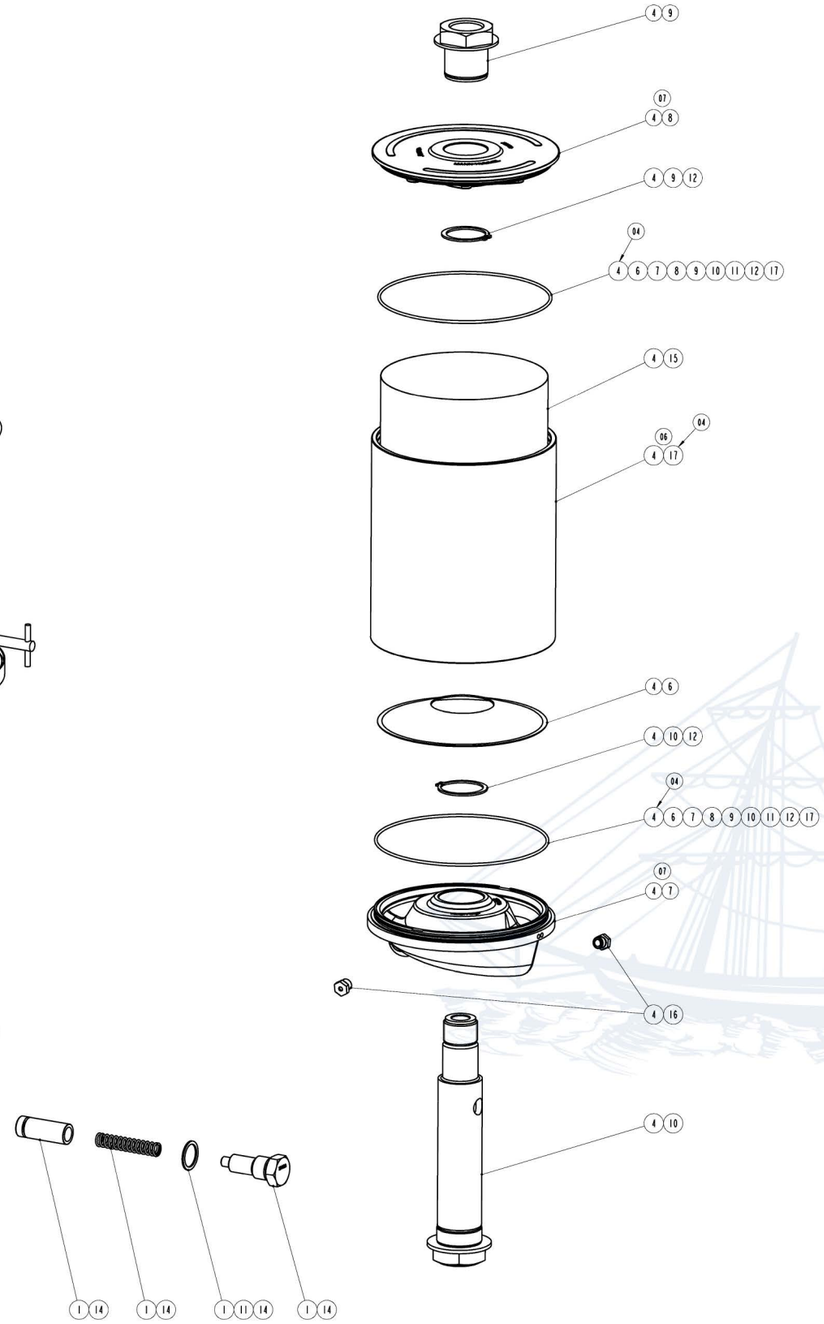
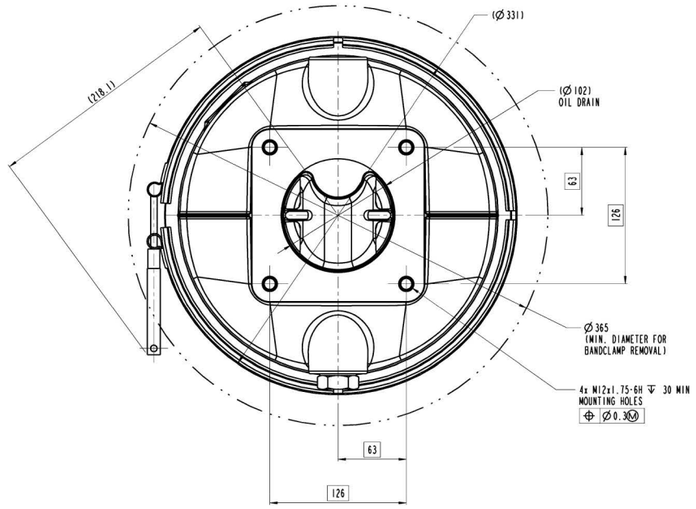
NO. AF	CH.-NO. AF.-W.	DESCRIPTION OF CHANGE ÄNDERUNG	DATE DATUM DD.MM.YY	DRAWN BEARB.	CHECK. GEPR.	APP. GEGEN.
		EXPLODED ISOMETRIC VIEW AND REFERENCING SPARE PARTS LIST ADDED. STANDARD SPECIFICATION TABLE ADDED. DRAWING UPDATED TO NEW FORMAT	20.04.18	VIKAS..JP	NASH.R	FELL
01	K38916	4TH CHAMFER ADDED TO ROTOR BASE.				
02	114519	MACHINED PROFILE HEIGHT OF HOUSING CASTING REDUCED AND NOTES UPDATED MACHINED SEALING GROOVE WIDTH OF HOUSING CASTING INCREASED.	05.11.19	SCS	NASH.R	FELL
03	G59929	PERFORMANCE TABLE ADDED	28.10.20	NASH.R	FILTOR.N	FELL
04	D33321	DRAWING UPDATED TO CORRECT BALLOONS ON EXPLODED VIEW FOR KITS	25.05.21	SCS	VJP	FELL
05	F77921	FM600 CENTRIFUGE CE-UKCA MARKED. DRAWING UPDATED TO DISPLAY NEW LABEL. WARNING AND MAINTENANCE LABELS REMOVED	27.08.21	SCS	VJP	FELL
06	D66623	MODIFICATION TO SLEEVE : ID UPATED FROM 193 TO 194mm.	26.07.23	LS	NEIL	FELL
07	E67723	MODIFICATION TO ROTOR LOWER AND UPPER PARTS.	06.10.23	LS	NEIL	FELL

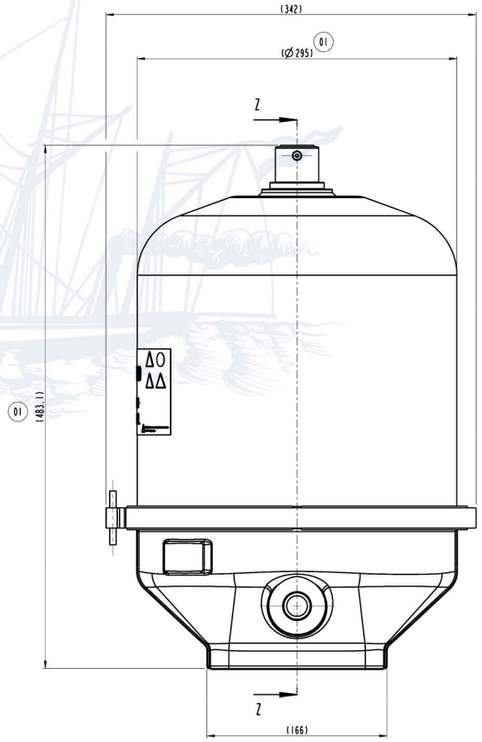
A. Nobel & Zn.
FILTRATION & SEPARATION

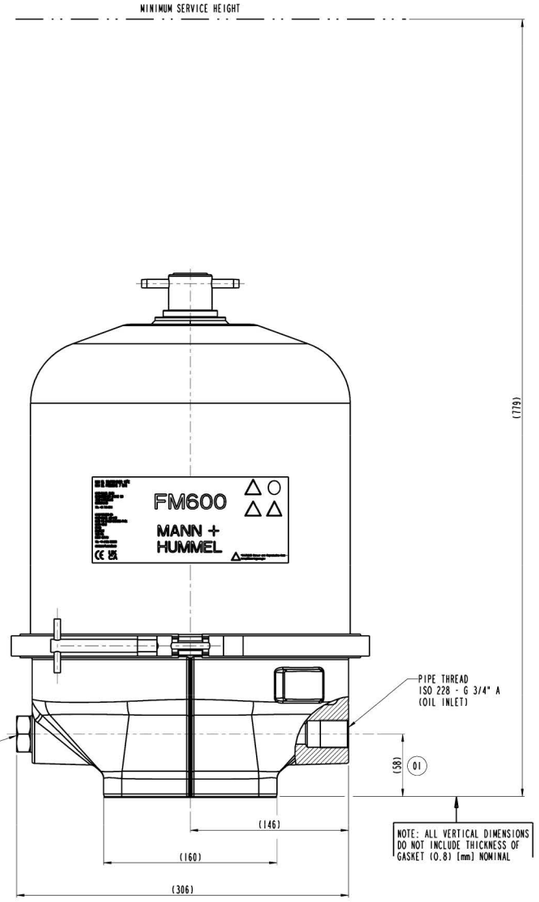




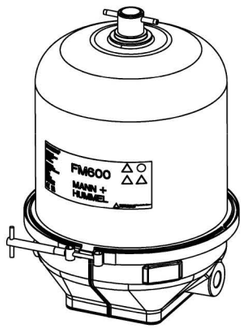
SCALE 2:5







SECTION Z-Z



SCALE 3:10

01 03

PRODUCT PERFORMANCE (MEASURED AT 14.83 [cSt])				
PRESSURE [bar]	SPEED [RPM]		FLOW [L/MIN]	
	MIN.	TYPICAL	MAX.	TYPICAL
3	2950	3070	56	51.5
4	3300	3430	63	58.5
5	3450	3600	69	64
6	3600	3800	75	69
7	3800	3970	80	73.5
CUT OFF VALVE	3.5 [bar] NOMINAL COV			
	FLOW RATE ≤ 0.5 [L/MIN] AT OIL PRESSURE ≤ 1.3 [bar]			

OPERATING CONDITIONS	
OIL TEMPERATURE RANGE [°C]	-20 TO 115
OIL PRESSURE RANGE [bar]	0 TO 7
RECOMMENDED OIL VISCOSITY RANGE [cSt]	26.84 TO 10.26

APPLICATION REQUIREMENTS	
MIN. DRAIN SIZE [mm] (INCL. FITTINGS)	Ø76
MIN. OIL FEED PIPE [mm]	Ø19
ASSEMBLY TORQUE-MOUNTING INTERFACE [Nm]	70 ± 10
ASSEMBLY TORQUE-INLET [Nm]	XX ± XX <TBC>
MOUNTING INTERFACE FLATNESS	▱ 0.1
MOUNTING INTERFACE SURFACE FINISH	√ Ra 6.3 / Ra 3.2

GENERAL SERVICE REQUIREMENTS	
BANDCLAMP SERVICE TORQUE [Nm]	15 ± 2
MIN. FILTER COVER NUT CHECK TORQUE [Nm]	13
ROTOR COVER NUT SERVICE TORQUE [Nm]	40 ± 6
ASSEMBLE COVER ON SPINDLE AND TIGHTEN TO REQUIRED TORQUE BEFORE FASTENING BANDCLAMP TO SPECIFIED TORQUE	

MISCELLANEOUS/NOTES	
1-	ALL O-RINGS TO BE FKM MATERIAL
2-	ALL CASTED COMPONENTS TO BE MANN AND HUMMEL BRANDED
3-	ROTOR FITTED WITH MANN AND HUMMEL BRANDED PAPER INSERT
4-	NO COMPONENTS CONTAINS ASBESTOS
5-	FILTER COVER PAINTED IN WHITE COLOUR
6-	PRODUCT TO BE PACKED IN A ZERUST BAG AND SUPPLIED IN A CARDBOARD BOX WITH ADHESIVE LABEL ATTACHED
7-	ALL PRESSURES MEASURED AS GAUGE PRESSURE

02

SPARE PARTS LIST / *ERSATZTEILLISTE*

POS. POS.	NAME BENENNUNG	PART-NO. BESTELL-Nr.	CUSTOMER-NO. FIRMEN-NR.
17	ROTOR TUBE KIT	68 997 54 001	-
16	NOZZLE KIT	68 997 60 801	-
15	PAPER INSERT KIT (PACK OF 25 PIECES)	68 997 54 301	-
14	COV KIT	68 997 53 601	-
13	BANDCLAMP KIT	68 997 51 101	-
12	CIRCLIP KIT	68 997 51 301	-
11	SEALS KIT	68 997 51 201	-
10	BEARING TUBE KIT	68 997 53 901	-
9	ROTOR COVERNUT KIT	68 997 76 301	-
8	ROTOR COVER KIT	68 997 76 001	-
7	ROTOR BASE KIT	68 997 75 201	-
6	SEPARATION CONE KIT	68 997 54 101	-
5	ROTOR SERVICE TOOL (NOT SHOWN)	68 906 91 201	-
4	ROTOR ASSEMBLY KIT	68 997 50 701	-
3	FILTER COVERNUT KIT	68 997 51 401	-
2	FILTER COVER ASSEMBLY KIT	68 997 73 901	-
1	FILTER BODY ASSEMBLY KIT	68 997 72 201	-

SPARE PARTS LIST / *ERSATZTEILLISTE*

POS. POS.	NAME BENENNUNG	PART-NO. BESTELL-Nr.	CUSTOMER-NO. FIRMEN-NR.

Customer Part No.
Kundenteilenummer

Sales designation
Verkaufsbezeichnung
FM600-22 CENTRIFUGE

MANN+HUMMEL

Property of / Eigentümer
MANN+HUMMEL Group
Ludwigsburg
Germany

Customer Drawing
Angebotszeichnung

Refer to protection notice ISO 16016
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	DD.MM.YYYY	Name	
drawn by	03-08-12	NMF	
checked by	07-08-12	ADR	
approved by	07-08-12	AWF	

Language code / Sprachschlüssel: EN
all dimensions in / alle Maße in: [mm]

Proj.-No. / Proj.-Nr.: EP-MHT1079
substitute for / Ersatz für
similar / ähnlich
Weight (calculated) / Gewicht (berechnet): [g] 25330

Tolerance standard / Tolerierungsprinzip: SIZE ISO 14405

Part name: CENTRIFUGE
Benennung: ZENTRIFUGE

Scale / Maßstab: 1:2
Sheet / of: 1 / 1
A0

Drawing-No. / Zeichnungs-Nr.: 68 991 18 801
Index: 07