AIR PRODUCTS

PARTS LIST

ORDER: 15404 **SYSTEM TYPE:** N2 Ship (N2S)

PROJECT: Hull S 490, 45K Chem. Tanker

STRUCTURE: Filter and Control Skid

Tag no.-1	*Comp. no*	*Qty.*	*Description*
F-8.11	16462	1	Feed Air Filter TMC, HF9-72 CS
F-8.12	16463	1	Feed Air Filter TMC, HF7-72 CS
F-8.13	16464	1	Feed Air Filter TMC, HF3-72 CS

MODEL DESIGNATION		Capacity	Connection	Working Pressure	Dimensions		Weight	FILTER REPLACEMENT CARTRIDGE		
FILTER-GRADE	FILTER-HOUSING	[m³/h]	[ ]	[max]	Height [mm]	Width [mm]	[kg]	FILTER-GRADE	FILTER-HOUSING	Quantity
	MODULAR SYSTEM									
	-12	35	3/8“	16		105			-12	1
	-16	60	1/2“	16		105			-16	1
F 11	-20	105	1/2“	16		105		E-11-	-20	1
	-24	170	3/4“	16		133			-24	1
F 9	-28	290	1“	16		133		E-9-	-28	1
	-32	425	1-1/2“	16		164	see chapter		-32	1
F 7	-36	640	1-1/2“	16	see chapter	164	„dimensional	E-7-	-36	1
	-40	825	2	16	„dimensional	194	drawing“		-40	1
F 6	-44	1060	2-1/2“	16	drawing“	194		E-6-	-44	1
	-48	1325	2-1/2“	13		194			-48	1
F 5	*PRESSURE VESSEL*							E-5-		
	-52	1110	DN80	16	1025	350			-PV	1
F 3	-54	1700	DN80	16	1045	400		E-3-	-54	2
	-56	2125	DN80	16	1045	400			-PV	2
F 1	-60	3185	DN100	16	1085	440		E-1-	-PV	3
	-64	4250	DN100	16	1105	535			-PV	4
	-68	5310	DN100	16	1105	535	see chapter		-PV	5
	-72	8490	DN150	16	1215	600	„dimensional		-PV	8
	-76	11670	DN150	16	1245	720	drawing“		-PV	11
	-80	14850	DN150	16	1265	750			-PV	14

Air flow m³/h based on +20℃ and 1 bar absolute, a t working pressure 7 bar
Contact factory for dryers with a higher working pressure
Filter bowls F-52 – F-80: Vessel construction complies with directive 87/404/EEC, simple pressure vessels, and is marked with the EC symbol

Sizing

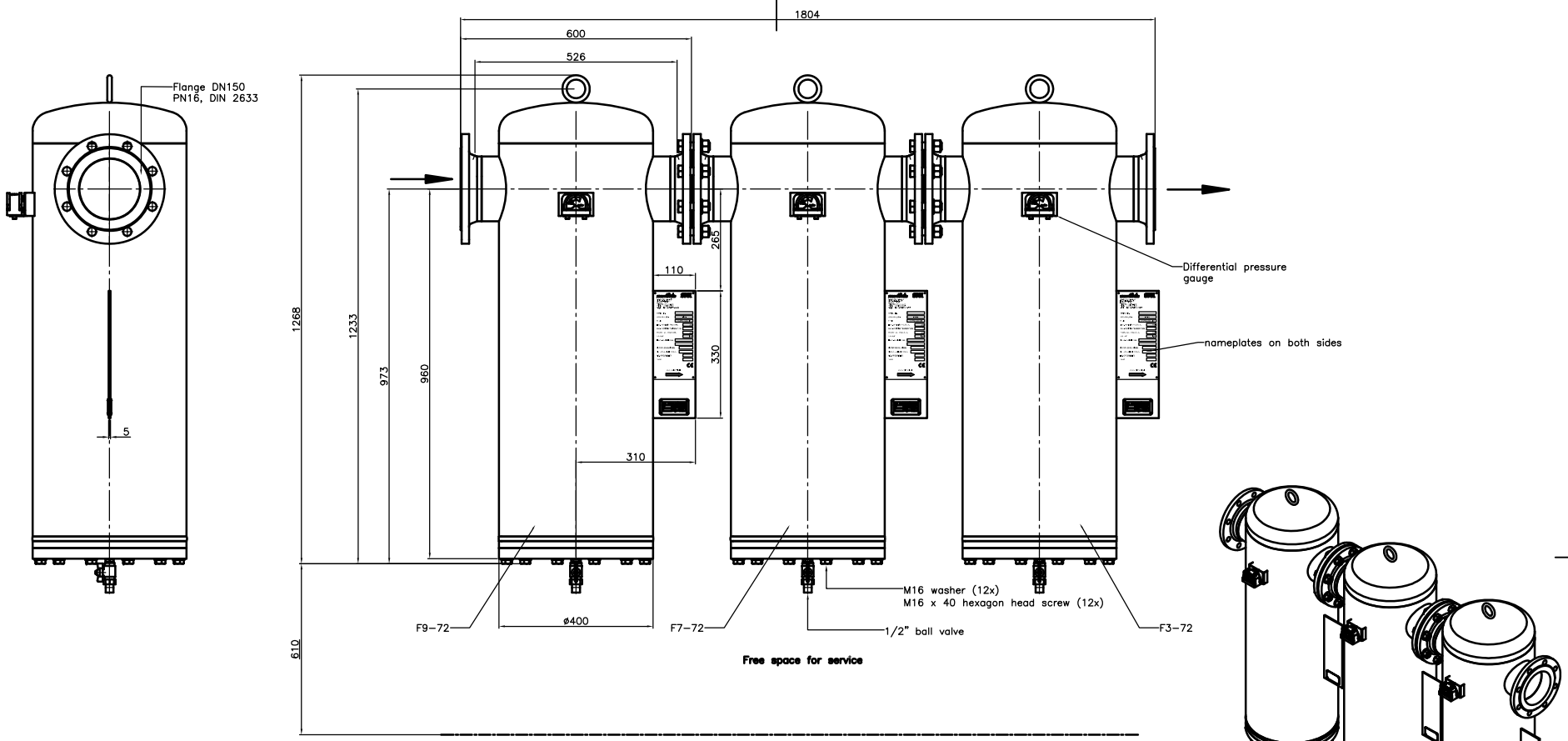
Minimum working pressure															
bar	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Correction factor	0,38	0,52	0,63	0,75	0,88	1,00	1,13	1,26	1,38	1,52	1,65	1,76	1,87	2	2,14

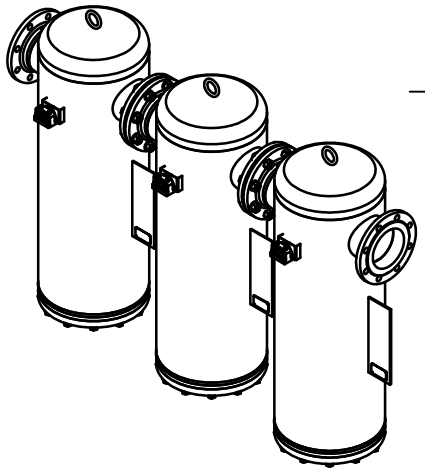
Based on
To find the maximum flow at pressures other than 7 bar:
multiply the flow (from table above) by the correction factor corresponding to the minimum working pressure of the filter.

Working conditions:

Min. Working temperature: +1℃
Max. Working temperature „Modular-System“: +66℃
Max. Working temperature „Pressure vessel“: +50℃
Min. working pressure with automatic condensate drain: 2,0 bar

D-Name	F0516
erstellt	19.04.07
Name	SK
gepr.	19.04.07
Name	KC
ersetzt f.	F0458
ersetzt d.	





Feed filter

Design Data

Design code AD2000 according to the
Pressure Equipment Directive (97/23/EG)

Design pressure = Max. operating pressure : 16 bar
Test pressure according to 97/23/EG: 24 bar
Design temperature : -10°C ... +120°C
Designed for: Air, nitrogen, argon, inert gas
Corrosion allowance: 1mm
Inspection by Lloyds Register

Technical alterations reserved!

E			
D			
C			
B	APAS ref. no	12.10.07	CB
A	updated	10.10.07	CB
	Änd. Mitlg.	Datum	Bearb.

Werkstoff : S235JR
Werkstückkanten
Maßstab : (:)
Allgemeintoleranzen ISO 2768 m
ISO-Methode E
Datum : 09.10.07
Name : C.Benke
Gepr.: JRA Norm :
Bezug / Projekt :
Filter comb. F9-72/F7-72/F3-72 APAS
Benennung :

Art.-Nr.: 60 50 04 00
Ähnl. :
Ers.f.:
Ers.d.:
Masse kg

TMC TAMROTOR MARINE COMPRESSORS

Blatt-Nr. : 1 Blattzahl : 1
Zeichnung-Nr. : F 0567 Index : B