



LOADS ON FILTER					
LOADS VALID FOR EACH ANCHOR BOLT					
MAX LOAD AT BASE	EMPTY	OPERATING	HYDROTEST	WIND	
F _x	kN	2.1	2.1	2.1	0.068
F _z	kN	2.15	3.0	3.0	—
F _y	kN	2.1	2.1	2.1	0.068

MAX ALLOWABLE NOZZLE LOADINGS						
As per SHR-000-EXE-TED-00-PIP-DES-0002 Att.4						
TP01,02 (4")	2.39	2.39	2.39	1.79	1.79	1.79
TP03 (2")	1.04	1.04	1.04	0.38	0.38	0.38
TP04,05 (1")	0.52	0.52	0.52	0.1	0.1	0.1
TIE-IN	F _y	F _z	F _x	M _x	M _z	M _y
	Forces (kN)			Moments (kN*m)		

TIE-IN	CONNECTION	DESCRIPTION
TP01	4"—150#—WN/RF	INLET
TP02	4"—150#—WN/RF	OUTLET
TP03	2"—150#—WN/RF	BACKWASH OUTLET
TP04	1"—150#—WN/RF	DRAIN OUTLET
TP05	1"—150#—WN/RF	VENT

NOTES

- 1- PSV (THERMAL EXPANSION) FLANGED TYPE 3/4"x1"-150#-RF SUPPLIED BY FILTREX
- 2- DIFFERENTIAL PRESSURE TRANSMITTER (PDT) SUPPLIED LOOSE BY FILTREX
- 3- ALL MEASUREMENTS ARE IN "mm"
- 4- INSULATION, STEAM TRACING AND FIREPROOFING BY OTHERS.
- 5- FILTER ROTATING ARM ELECTRIC MOTOR (N°1: 0,25kW-415V-3Ph-50Hz.5
- 6- CABLING AND WIRING OUTSIDE FILTER BATTERY LIMITS BY OTHERS.
- 7- FLANGED GATE VALVES ON VENT AND DRAIN SUPPLIED BY FILTREX
- 8- ELECTRIC POWER SUPPLY 415V-50Hz-3Ph-0,25kW TO MOTOR BY OTHERS.
- 9- ALL INSTRUMENT SHALL BE PREFIXED BY "44-"
- 10- INTERCONNECTING PIPING OUTSIDE FILTER BATTERY LIMITS BY OTHERS.

DESIGN DATA

PACKAGE ITEM	F-44-01
FILTER TAGS	F-44-01 (Qty N° 1)
SERVICE	CONDENSATE FILTER PACKAGE
DESIGN CODE	ASME VIII div.1-IOGP-JIP33
EARTHQUAKE DESIGN	Peak ground surface acceleration of 0.05 g.
WIND DESIGN	ASCE 7-16, Exposure C, BWS: 145 km/h
DESIGN PRESSURE	11.8 barg
DESIGN TEMPERATURE	130 °C
OPERATING PRESSURE	9.25 barg
OPERATING TEMPERATURE	100 °C
HYDR. TEST PRESSURE	17.7 barg
M.A.W.P.	11.8 barg
M.D.M.T.	28 °C @ 11.8 barg
FLUID	CONDENSATE
PHYSICAL STATE	LIQUID
FILTRATION DEGREE	25 µm
FLOW RATE (Design)	31.875 m3/h
EMPTY WEIGHT	650 kg
OPERATION WEIGHT	900 kg
HYDROTEST WEIGHT	900 kg

A	01.07.22	ISSUED FOR REVIEW	MV	UG	RM		
REV.	DATE	STATUS	PREP'D	CHK'D	APP'D	RVW'D	APP'D
			VENDOR		PC FK		

PROJECT : PROJECT SAHARA ROSE – PROVISION OF EPCC SERVICES FOR MELAMINE PLANT FOR PETRONAS CHEMICALS FERTILISER KEDAH SDN BHD

ASSET OWNER :
PETRONAS CHEMICALS FERTILISER KEDAH SDN. BHD.
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EPCC CONTRACTOR :
 TECHNIP ENERGIES A CONSORTIUM OF **DIALOG**
TECHNIP ENERGIES (M) SDN BHD DIALOG E & C SDN BHD

VENDOR :
 FILTREX srl - Milan (ITALY)

PO NO. : 204494C001
VENDOR DRAWING TITLE :

GENERAL ARRANGEMENT
CONDENSATE FILTER PACKAGE F-44-01
FILTER MODEL: ACB-955C-6"

SCALE :	DOCUMENT CLASS :	SHEET :	REVISION	FORMAT
NTS	Z	01/01	A	A1
COMPANY DWG. NO. :	SHR-000-EXE-K025-00-ENG-DWG-0021			
CONTRACTOR DWG. NO. :	—			
VENDOR DWG. NO. :	55664-44-GA			

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BACKWASH VALVE 44-XV-001 TYPICAL

