

Evaluation Criteria for CPP Pre-polishing Filters:

All of the listed technical parameters below should be met 100%. Failure to meet any of the listed parameters will result in disqualification.

	Y	N
1. Submission of Datasheet		
2. Compliance to Technical Specification as per attached datasheet		
a. Disposable Non-backwashable Cartridge Filters		
b. Filtration Rating (5 & 10 & 20 micron Absolute)		
c. Dimensions (6"x60" inches)		
d. Filter Media Material (Pleated Polypropylene)		
e. Hardware Material (Polypropylene)		
f. Max Allowable Differential Pressure (200kPa)		
g. Filtering Area per pre-filtration vessel (68m ²)		
h. Design Temperature (110 °C)		

Compiled by



David Delekoa

WTP System Engineer

Date: 26/09/2022

Functional Responsibility



Chris Odendaal

WTP LDE

Date: 26/09/2022

Authorised by

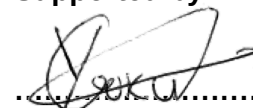


Tumiso Railo

Project Engineering Manager

Date: 27/09/2022

Supported by



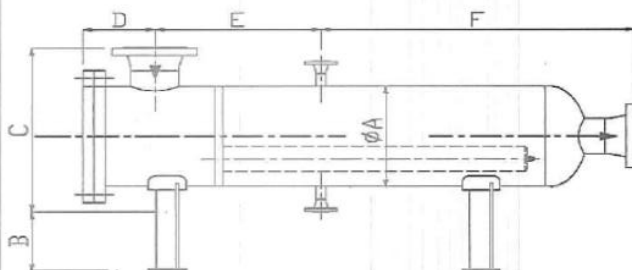
Yuvir Gokul

EDWL

Date: 26/09/2022

No. 24 VESSELS

- 1 0LDB11/12/13/14 AT001
- 2 0LDB11/12/13/14 AT001
- 3 0LDB11/12/13/14 AT001
- 4 0LDB11/12/13/14 AT001
- 5 0LDB11/12/13/14 AT001
- 6 0LDB11/12/13/14 AT001



PRELIMINARY DIMENSIONS						
A	B	C	D	E	F	
660	570	1080	400	750	1400	mm

Eskom Dwg No. : 0.90/22267
PDNA Dwg No. : TKB-AU-TB-00045-001

G.B. FILTRI S.r.l.
Sede legale: Via Garibaldi, 75 - 21047 Sesto San Giovanni (MI)
Tel. 0331/84466-67 - Fax 0331/84466-68
20027 RHO (MI)
Cod. Fisc. 03026220128

ASS'Y DWG. GB 2401 - Detail Assembly dwg.

12/03/12 G.B. FILTRI - Filled according to GE comments
01/08/11 & 24/02/12 and G.B. Filtri internal revision
27/07/11 G.B. FILTRI - Filled

* ACCORDING TO PIPING SPECIFICATION
TO BE FILL BY MFR
(refer to Supplier spec. Nr. A6080/1 Rev. 1 dated 21/03/11)

Construction code Norme costruttive		ASME VIII Div.1 last edition		ITEM		CPP Preliminary Filters			
FILTER TYPE: GB 8 R6/HORIZ									
Quantity		Quantità		24 (TWENTYFOUR)					
DESIGN DATA Dati di progetto		Flow-Rate Portata		m3/h	Operating esercizio		Design progetto		
		Pressure Pressione		kPa	435 + 580		652		
		ΔP at Clean / Dirty Filter		kPa	800		1000		
		Temperature Temperatura		°C	≤ 35 / 150				
		Wind load Carico del vento		kg	50 + 85 MAX		110		
		Seismic load Carico sismico		kg	See 2522M-		--		
		Fluid density Densità fluido		kg/dm3	307		307		
		Corr. All. Sovr. Di corrosione		mm	1				
		Remarks:							
		Hidrostatic Test Pressure		kPa	1500				
FABRICATION DATA Dati costruttivi		Body Material		Material Materiale					
		Top Cover Flanges Material		ASTM A 516 GR 70					
		Internals Material: Welded/Removable		ASTM A 105					
		External Bolts&Nuts Material		R					
		Top Cover Gasket Material		ASTM A 193 B7 / A 194 2H (ZINC PLATED TYPE AND METRIC SIZE)					
		Internal Lining		VITON					
		Top Cover Closure Type		/					
		External Finishing		FLANGE W/HINGE					
Internal Finishing		DCS 1000 Primer only vessel / DCS 1000 legs							
CONNECTIONS Connessioni		IN/OUT		12" S.O. ANSI 150#					
		VENT		* 1" S.O. ANSI 150#					
		DPI		* 1/2" SW ANSI 3000#					
		BOTTOM DRAIN		* 2" S.O. ANSI 150# + 1" S.O. ANSI 150# (see dwg. GB 2401)					
		TUBE SHEET DRAIN		/					
FILTER ELEMENT DATA		PSV		/					
		TYPE		DISPOSABLE CARTRIDGE					
		MODEL		MPP2/5/60					
		QUANTITY		8					
		FILTRATION RATING		5 & 10 & 20μ ABSOLUTE					
		DIMENSIONS		6"x60"					
		FILTER MEDIA MATERIAL		PLEATED POLYPROPYLENE					
		HARDWARE MATERIAL		POLYPROPYLENE					
MAX ALLOWABLE ΔP kPa		200 ~							
FILTERING AREA		68 m²							
 GE Infrastructure Water & Process Technologies		Client:		ESKOM KUSILE POWER STATION		DOC. No.			
						2522M-D10-00-00-02			
		Plant:		CONDENSATE POLISHING PLANT		Date 23/06/11			
						Rev. 2			
		CPP SERVICE PRE-POLISHING FILTERS		Draw GB	Check GB	Auth. GM			