



Customer Document title:

## Flowserve Construction Data Sheet

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Flowserve Document No.: **1400944-017-5009-01**

Document Revision No.: **0**

Flowserve Order No.: **1400944**

Flowserve Serial No.: **1400944CHP017A/B**

Pump Type/Size: **MARK 3 STANDARD /**

Quantity: **2**

Customer Name: **DESMET BALLESTRA NORTH AMERICA**

PROJECT - WORPAR

ITEM NBR - PW503E.2/1-PW503E.2/2

eB NBR - 100213004.000

DATE - 22.10.2021

Customer Tag No: **DESMET TAG#: PW503E.2/1, CUSTOMER TAG#: 19-P-875A, DESMET TAG#: PW503E.2/2, CUSTOMER TAG#: 19-P-875B**

Customer PO No.: **28493**

End User: **DESMET BALLESTRA NORTH AMERICA**

### Please complete and return:

Document Reviewed by:

Document Reviewed date:

- ☐ **APPROVED. NO ACTION REQUIRED**  
☐ **APPROVED. RE-SUBMIT AS FINAL.**  
☐ **APPROVED WITH COMMENTS. DOCUMENT WILL BE MODIFIED AND RESUBMITTED AS FINAL.**  
☐ **REJECTED. CORRECT AND RE-SUBMIT FOR APPROVAL.**  
☐ **FOR INFORMATION. REVIEW NOT REQUIRED**  
☐ **AS-BUILT**

- Return any documents sent for review with your comments by the stated return date. All documents not returned two weeks after requested Return date will be considered Approved, no action.
- Purchaser's comments and/or corrections within the scope of contract will be made on the first completed document submitted by Flowserve Corp. and returned.
- Corrections, alterations, additions and/or modifications outside scope of contract or made after first submittal may require an additional engineering service charge.
- Items conditionally approved or with deferred approval by purchaser must be specifically stated otherwise delivery may be affected.

Rev	Revision Description	Released	Release Date
	Internal Only		14-Sep-21

Customer : DESMET PROCESS & TECHNOLO...					Pump / Stages : 2K4x3-10RV M3 ST / 1				
Customer reference : WORPAR					Based on curve no. : MIII7900DV				
Item number : PW503E.2/1, 2/2					Flowserve reference : 1989206898				
Service : Enzyme Reactor Discharge					Date : August 27, 2021				
Construction					Driver Information				
Nozzles	Size	Rating	Face	Position	Manufacturer : WEG				
Suction	4.00	150#	FF	End	Power : 60.0 hp / 44.7 kW				
Discharge	3.00	150#	FF	Top	Service factor (requested / actual) : 1.15 / 1.15				
Casing mounting				: Foot	Synchronous speed : 3,600 rpm				
Casing split				: Radial	Orientation / Mounting : Horizontal / Foot				
Impeller type				: Reverse Vane	Driver type : NEMA				
Bearing type (radial)				: Sgl Row	Frame-size / material : 364TS / CAST IRON				
Bearing number (radial)				: 6310-C3	Enclosure : IEEE-841				
Bearing type (thrust)				: Dbl Row	Hazardous area class : -				
Bearing number (thrust)				: 5310-AHC3	Explosion 'T' rating : -				
Bearing lubrication				: Flood	Volts / Phase / Hz : 460 / 3 / 60 Hz				
Rotation (view from driver)				: CW per Hyd. Institute	Amps-full load/locked rotor : 66.80 A / 427.00 A				
Materials					Motor starting : Direct on line (DOL)				
Casing				: 316SS (D4/CF8M)	Insulation : F				
Impeller				: 316SS (D4/CF-8M)	Temperature rise : -				
Seal chamber				: FML Box / (316SS)	Bearings : Ball				
Shaft				: 316 SS	Lubrication : Grease				
Sleeve				: No Sleeve	Motor mounted by : Flowserve				
Baseplate, Coupling and Guard					Sound Pressure (dBA @ 1.0 m)				
Baseplate type				: Type D Reinforced	Driver, expected : 83.0 dBA				
Baseplate material				: Steel	Pump & driver, estimated : 86.0 dBA				
Baseplate size				: 264 Baseplate	Seal Information				
Coupling manufacturer				: Rexnord	Arrangement : Sgl Int O-Ring				
Coupling size				: Thomas 726 Std/XL	Size : 1.875				
Coupling / Shaft guard				: Aluminum (Non-Spark)	Manufacturer / Type : Flowserve / ISC2 Pusher				
Shaft / seal guard				: None Supplied	Material code (Man'f/API) : C2CPX----ECXV- / BSTFN				
Weights (Approx.)					Internal neck bushing : Not Available				
Bareshaft pump (net)				: 225.0 lb	Gland				
Baseplate (net)				: 442.0 lb	Gland material : 316SS				
Driver (net)				: 807.0 lb	Flush : .375" NPT				
Shipping gross weight/volume				: 1,695.1 lb / 38,526 cu.in	Vent : .375" NPT				
Testing					Drain : .375" NPT				
Hydrostatic test				: Non witnessed	Auxiliary seal device : Carbon Bushing				
Performance test				: Non witnessed	Piping				
NPSH test				: None	Seal flush plan : None				
Paint and Package					Seal flush construction : -				
Pump paint				: Epoxy Primer & Topcoat	Seal flush material : -				
Base grout surface prep				: Flowserve St'd D14-3	Aux seal flush plan : Plan 61				
Shipment type				: Domestic	Aux seal flush construction : Not supplied				
					Aux seal flush material : Not supplied				
Notes									
-									
ANSI 3A w/site, magnetic drain plug									
Casing w/1/2" Plugged Drain (NPT)									
-									
-									
XSD Drawing No. 0000AMK3SXX2KXXFTRVSSMSFM									

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