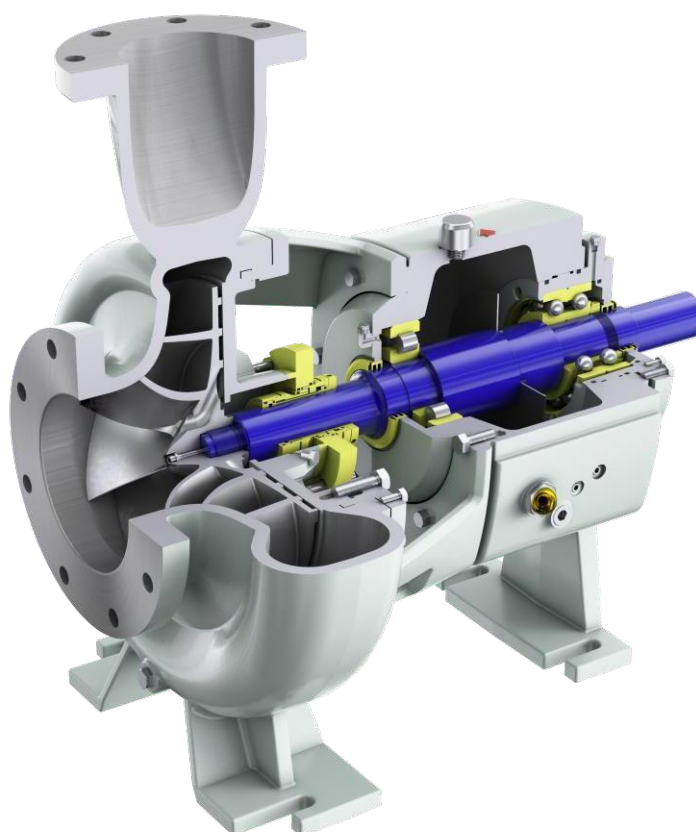


SULZER

TYPE CPE / CPT

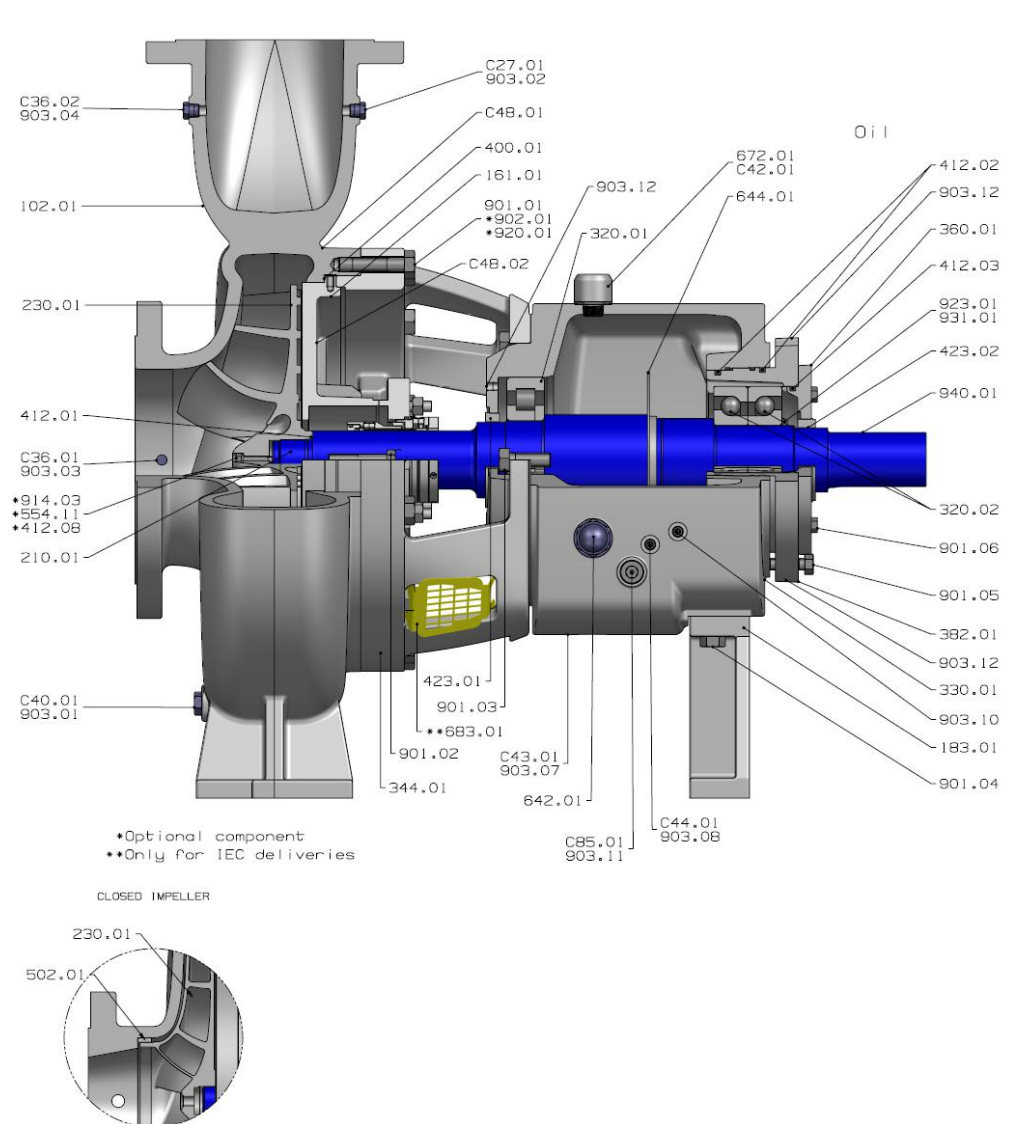
PROCESS PUMP

**Contents****Information****Section**Sectional drawings _____ **C**

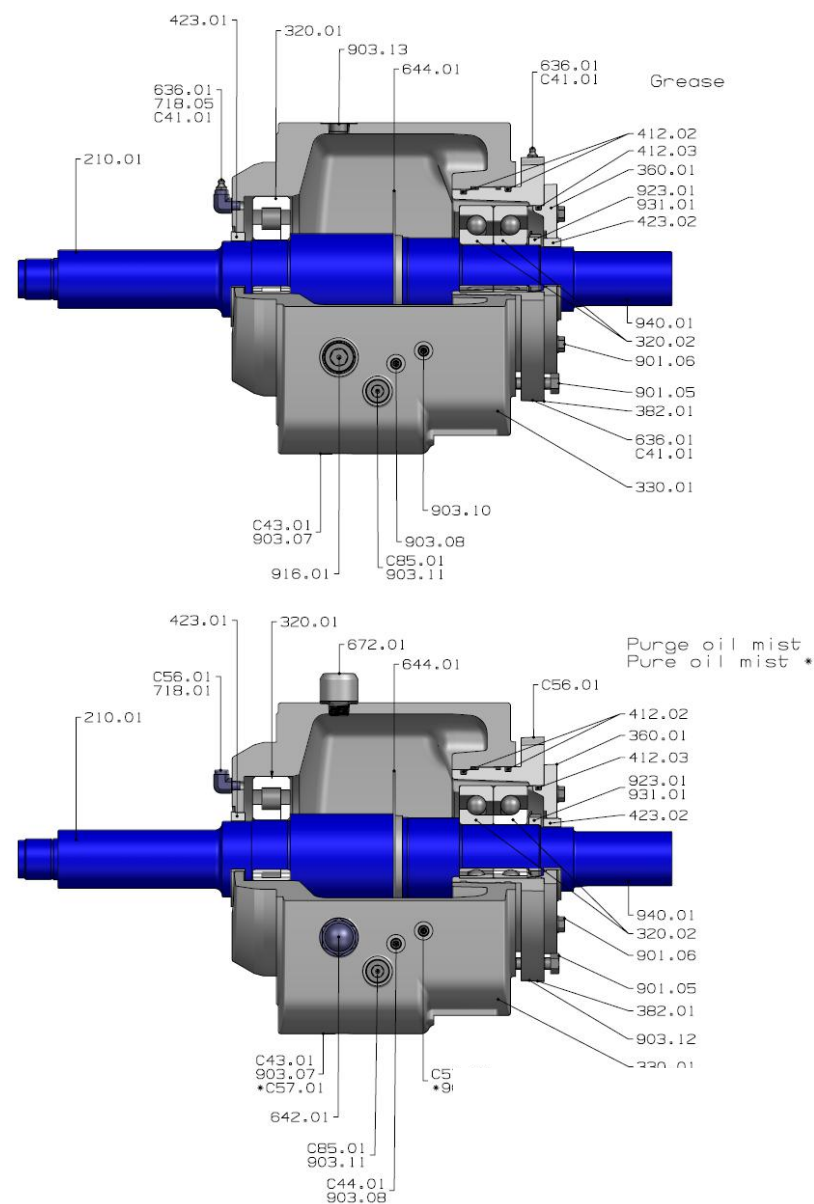
Cross section – Pump sectional drawing Type CPE & CPT

Document No. **N33095en**
Document version: 3
Release Date: 2021-11-04
Page 1 of 1

Subjet: Bare shaft pump



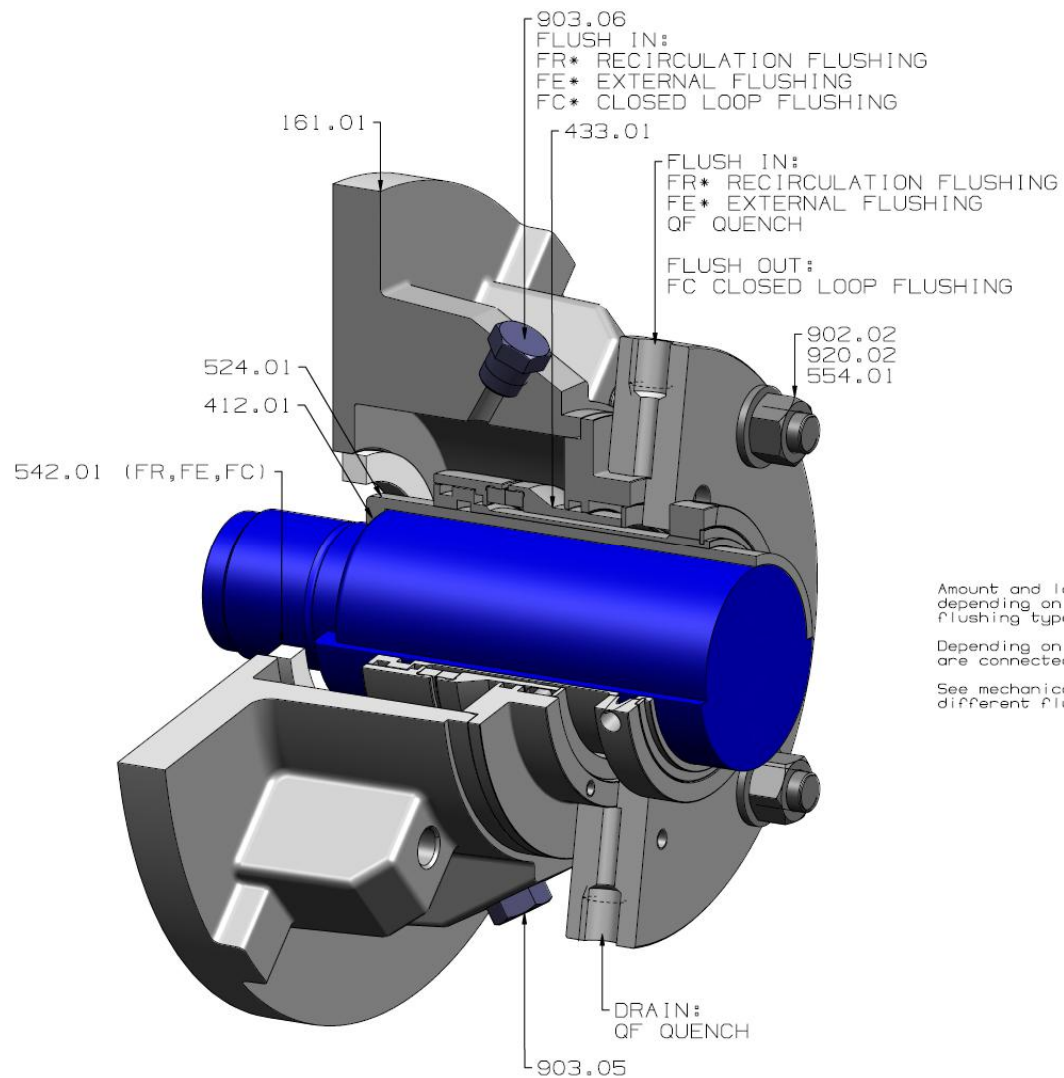
Original CAD number is 945043



Cross section – Pump sectional drawing Type CPE & CPT

Document no. **N33100en**
Document version: 2
Release date: 2019-11-29
Page 1 of 1

Subjet: Cartridge single mechanical seal



Amount and location of flush ports and direction of flow may vary depending on mechanical seal manufacturer, model and selected flushing type.

Depending on seal model recirculation (FR) and external flushing (FE) are connected either to seal or case cover. (*)

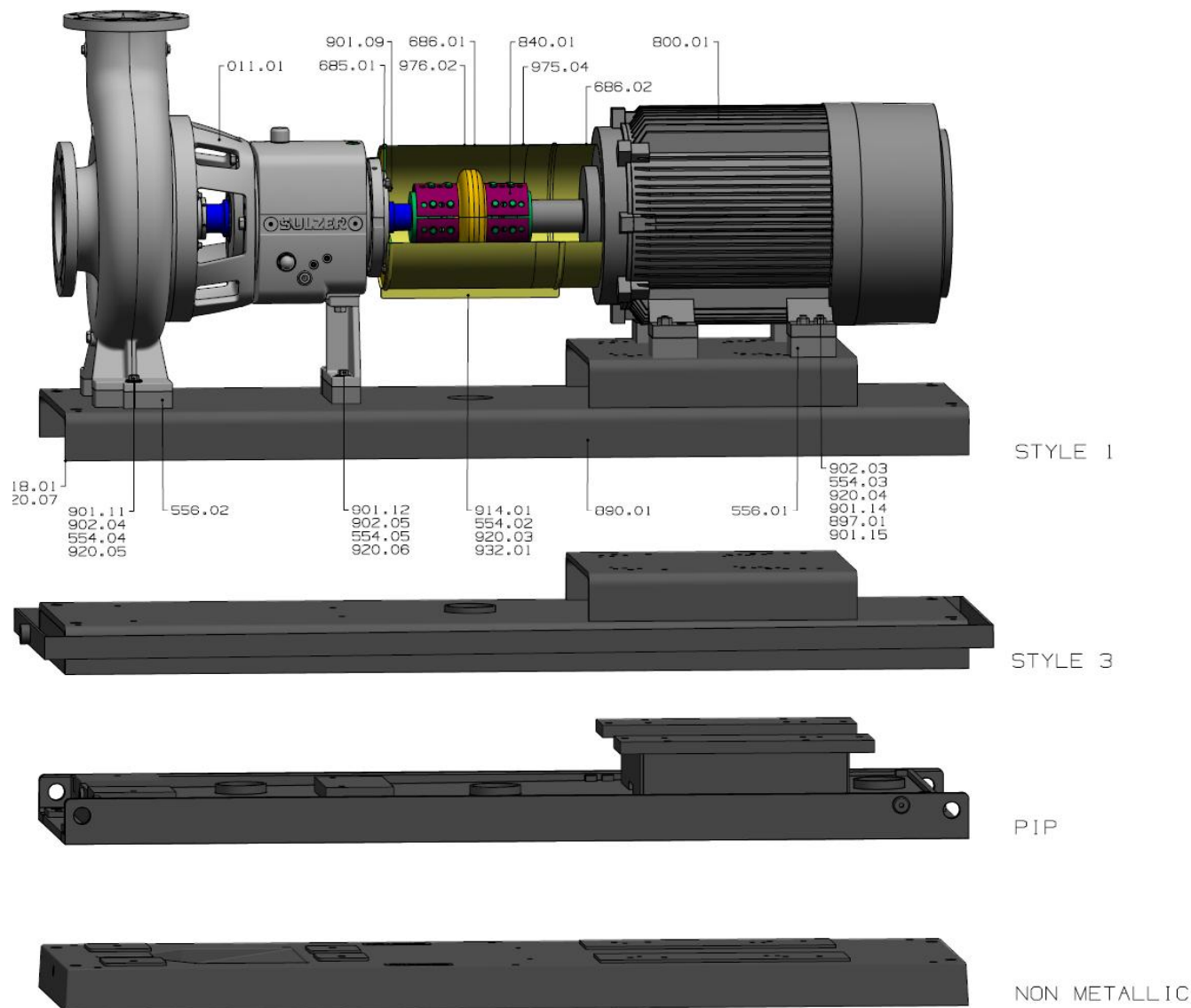
See mechanical seal component instructions for correct location of different flush ports.

Original CAD number is 304503183

Cross section – Assembly sectional drawing
Type CPE & CPT

Document No. **N33096en**
 Document version: 2
 Release Date: 2019-11-29
 Page 1 of 1

Subjet: Pump on baseplate



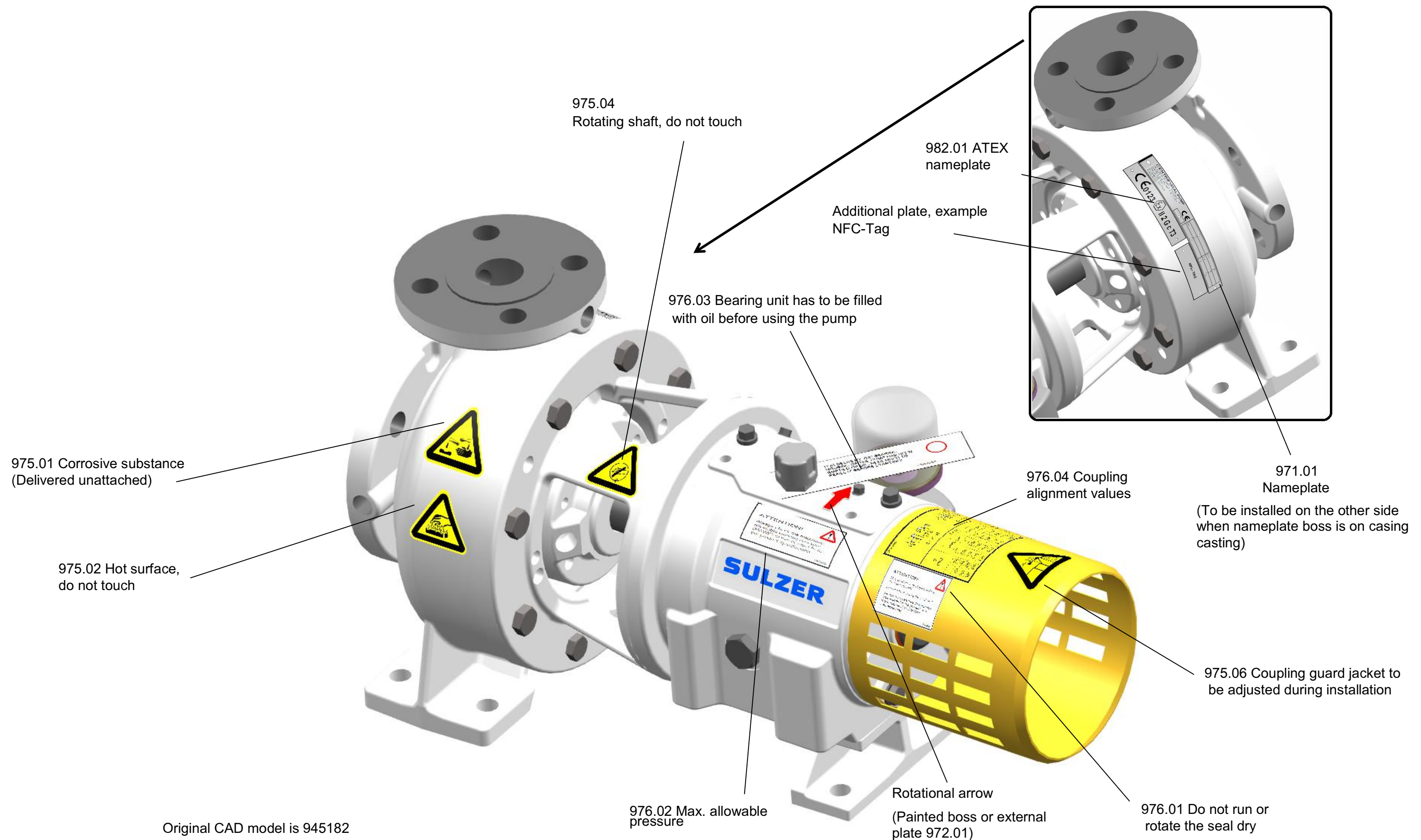
Original CAD number is 945254

Cross section – Pump sectional drawing
Type AHLSTAR Size 1-4, CPE and CPT

Subject: Attention signs, location drawing

SULZER

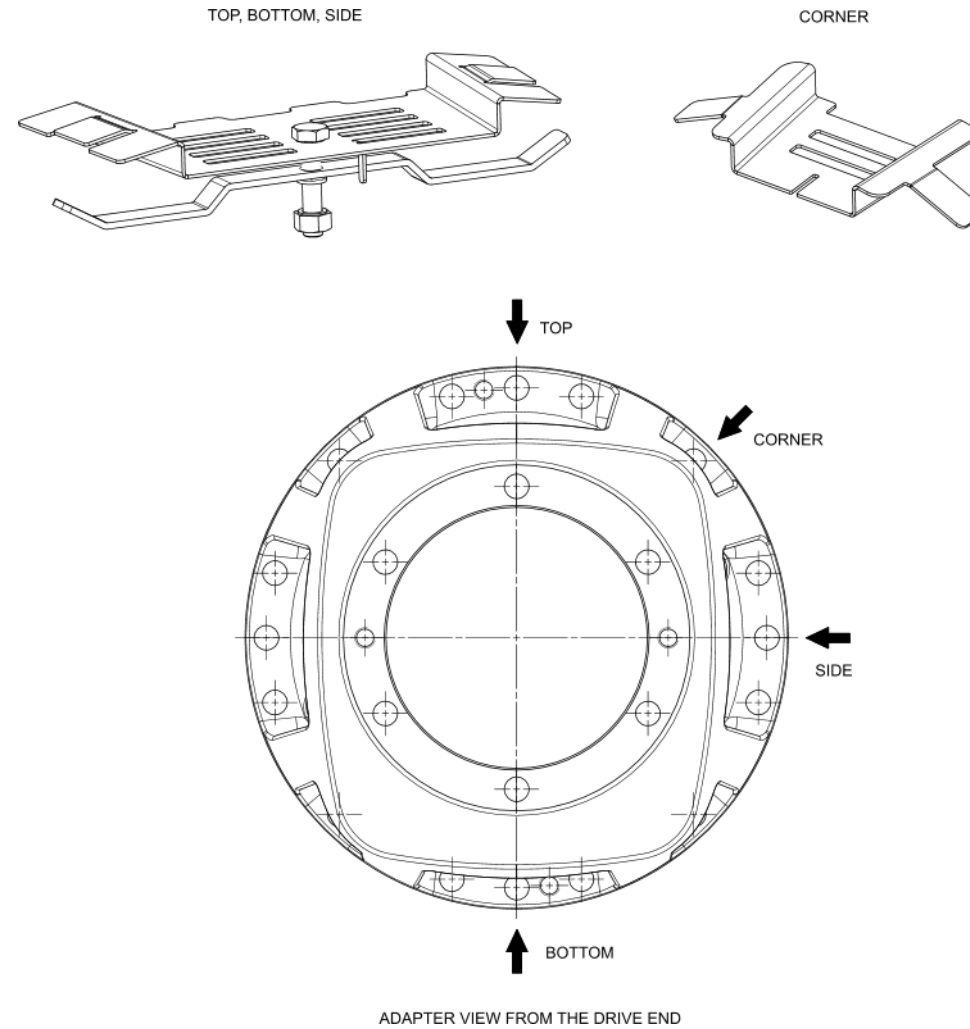
Document no. **N32652en**
Document version: 2
Release date: 2018-04-02
Page 1 of 1



**Cross section – Pump sectional drawing
Type CPE**

Document No. **N34119en**
Document version: 1
Release Date: 2021-11-04
Page 1 of 2

Subject: Finger guards



Original CAD number is 304504455

Cross section – Pump sectional drawing Type CPE

Document No. **N34119en**
Document version: 1
Release Date: 2021-11-04
Page 2 of 2

Subject: Finger guards

SIZE	DIN	DESCRIPTION	GUARD LOCATION
CPE11	683.01	FINGER GUARD SIDE	SIDE
	683.02 / 683.03	FINGER GUARD TOP AND BOTTOM	TOP AND BOTTOM
	683.04	FINGER GUARD CORNER	CORNER
	688	FINGER GUARD SUPPORT VARIABLE LENGTH	BEHIND SIDE, TOP AND BOTTOM GUARDS
CPE12	683.01	FINGER GUARD SIDE	SIDE
	683.02 / 683.03	FINGER GUARD TOP AND BOTTOM	TOP AND BOTTOM
	683.04	FINGER GUARD CORNER	CORNER
	688	FINGER GUARD SUPPORT VARIABLE LENGTH	BEHIND SIDE, TOP AND BOTTOM GUARDS
CPE21	683.01	FINGER GUARD SIDE	SIDE
	683.02 / 683.03	FINGER GUARD TOP AND BOTTOM	TOP AND BOTTOM
	683.04	FINGER GUARD CORNER	CORNER
	688	FINGER GUARD SUPPORT VARIABLE LENGTH	BEHIND SIDE, TOP AND BOTTOM GUARDS
CPE22	683.01 / 683.02 / 683.03	FINGER GUARD SIDE, TOP AND BOTTOM	SIDE, TOP AND BOTTOM
	683.04	FINGER GUARD CORNER	CORNER
	688	FINGER GUARD SUPPORT VARIABLE LENGTH	BEHIND SIDE, TOP AND BOTTOM GUARDS

SIZE	DIN	DESCRIPTION	GUARD LOCATION
CPE24	683.01 / 683.02	FINGER GUARD SIDE AND TOP	SIDE AND TOP
	683.03	FINGER GUARD BOTTOM	BOTTOM
	683.04	FINGER GUARD CORNER	CORNER
	688	FINGER GUARD SUPPORT VARIABLE LENGTH	BEHIND SIDE, TOP AND BOTTOM GUARDS
CPE31	683.01 / 683.02	FINGER GUARD SIDE AND TOP	SIDE AND TOP
	683.03	FINGER GUARD BOTTOM	BOTTOM
	683.04	FINGER GUARD CORNER	CORNER
	688	FINGER GUARD SUPPORT VARIABLE LENGTH	BEHIND SIDE, TOP AND BOTTOM GUARDS
CPE32	683.01 / 683.03	FINGER GUARD SIDE AND BOTTOM	SIDE AND BOTTOM
	683.02	FINGER GUARD TOP	TOP
	683.04	FINGER GUARD CORNER	CORNER
	688	FINGER GUARD SUPPORT VARIABLE LENGTH	BEHIND SIDE, TOP AND BOTTOM GUARDS
CPE33	683.01 / 683.02	FINGER GUARD SIDE AND TOP	SIDE AND TOP
	683.03	FINGER GUARD BOTTOM	BOTTOM
	683.04	FINGER GUARD CORNER	CORNER
	688	FINGER GUARD SUPPORT VARIABLE LENGTH	BEHIND SIDE AND TOP GUARDS
	688	FINGER GUARD SUPPORT VARIABLE LENGTH	BEHIND BOTTOM GUARD

Original CAD number is 304504414

SULZER PUMPS SOLUTIONS IN PRODUCT SPECIFICATION	<table> <tr> <td>Description</td><td>CPE32-6G</td></tr> <tr> <td>Serial Number</td><td>100260809</td></tr> <tr> <td>Reference no.</td><td>767870/10-40</td></tr> <tr> <td>Time of delivery/EXW</td><td>09/09/2022</td></tr> <tr> <td>Date printed</td><td>07/19/2022 Page 1</td></tr> </table>	Description	CPE32-6G	Serial Number	100260809	Reference no.	767870/10-40	Time of delivery/EXW	09/09/2022	Date printed	07/19/2022 Page 1
Description	CPE32-6G										
Serial Number	100260809										
Reference no.	767870/10-40										
Time of delivery/EXW	09/09/2022										
Date printed	07/19/2022 Page 1										
Customer AIR PRODUCTS MANUFACTURING LLC. 7201 HAMILTON BLVD. ALLENTOWN PA 18195-9642 USA Cust. Order 4501819862-0 Cust. PO line Country code US	Sulzer Pumps (US) Inc. 2800 NW Front Ave. PORTLAND OR 97210 USA Equipment 18-P-1824, 18-P-1825 Id 18-P-1826, 18-P-1827										

GENERAL

Classification: **C, Engineered**

Pump type: **CPE, Process Pump**

Quality requirement: **ASME B73.1-2012**

Material of construction: **Duplex SS (A890 3A)**

Wetted non casted alloys: **AISI 316 / 329**

Wetted casing connections: **Included**

Scope: **Coupling unit**

Scope: **Drive motor**

Hyd. perf. acceptance grade: **ANSI / HI 14.6 Gr 1B**

Guaranteed efficiency: **Yes**

Outside surface treatment: **Standard, Corrosivity C4 [NZ]**

Pump color shade: **Light grey (NCS 1700)**

Shaft size: **3**

Quality requirement: **2006/42/EC**

Version: **Version 01**

Pump construction type: **Long coupled**

Product category: **Pump product**

Scope: **Pump**

Scope: **Baseplate**

Scope: **Documents**

Shaft seal supplier: **Sulzer, mounted by Sulzer**

Pump size: **32-6G (8x6x15)**

Dimension designation: **A110**

Case cover size: **32**

TESTS

Performance tests: **HI 14.6 Gr 1B**

Hydrostatic pressure tests: **ASME B73.1 10min**

Inspection of assembly: **Final Check**

Special tests: **CO-PLANAR MOUNTING PAD SURFACE**

Special tests: **PMI**

Performance tests: **Mech. test HI 14.6 (1 hr)**

Material and NDT tests: **Material test EN 10204-3.1**

Impeller balancing: **ISO 21940 G6.3 1-plane**

Special tests: **LIQUID PENETRANT ASME VIII**

PROCESS DATA

Units: **US**

Pumped liquid: **SOYBEAN OIL**

Specific gravity: **0.90**

Temperature (°F): **122 °F**

Viscosity (cSt): **25 cSt**

NPSH available (ft): **31.1 Feet**

Capacity Q (gpm): **1,925.0 gpm**

Head H (ft): **219.5 Feet**

MATERIALS OF CONSTRUCTION

Volute case material: **Duplex SS (A890 3A)**

Impeller material: **Duplex SS (A890 3A)**

Case cover material: **Duplex SS (A890 3A)**

Bearing housing material: **Grey cast iron (A48 CL 35 B)**

Bearing adapter material: **Ductile Iron (A395 60-40-18)**

Shaft material: **Duplex SS (S32205/1.4462)**

Wetted gasket material: **REINZ AFM 34**

IMPELLER

Sulzer Pumps (US) Inc. 2800 NW Front Ave. PORTLAND OR 97210	Contact Person Troy Boatright LBU Order 4501819862-0 LBU Position Reference no. 767870/000010 Equipment 18-P-1824 Telephone 8648559090
--	---

SULZER PUMPS SOLUTIONS IN PRODUCT SPECIFICATION	<table> <tr> <td>Description</td><td>CPE32-6G</td></tr> <tr> <td>Serial Number</td><td>100260809</td></tr> <tr> <td>Reference no.</td><td>767870/000010</td></tr> <tr> <td>Time of delivery/EXW</td><td>09/09/2022</td></tr> <tr> <td>Date printed</td><td>07/19/2022 Page 2</td></tr> </table>	Description	CPE32-6G	Serial Number	100260809	Reference no.	767870/000010	Time of delivery/EXW	09/09/2022	Date printed	07/19/2022 Page 2
Description	CPE32-6G										
Serial Number	100260809										
Reference no.	767870/000010										
Time of delivery/EXW	09/09/2022										
Date printed	07/19/2022 Page 2										
Customer AIR PRODUCTS MANUFACTURING LLC. 7201 HAMILTON BLVD. ALLENTOWN PA 18195-9642 USA Cust. Order 4501819862-0 Cust. PO line Country code US	Sulzer Pumps (US) Inc. 2800 NW Front Ave. PORTLAND OR 97210 USA Equipment 18-P-1824 Id										

Impeller type: **Semi-open**
 Impeller diameter (in): **14.70 "**
 Impeller max.diameter (in): **15.00 "**
 Impeller min. diameter (in): **11.95 "**

Impeller diameter (mm): **373.5 mm**
 Impeller max.diameter (mm): **381.0 mm**
 Impeller min. diameter (mm): **303.5 mm**
 Impeller locking bolt: **Not included in the delivery**

VOLUTE CASE

Flange drilling: **ASME CLASS 150**
 Flange type: **Raised-face**
 Maximum design pressure (psi): **290.0 psi**
 Maximum design pressure (bar): **20.0 bar**
 Test pressure at 68°F (psi): **435.0 psi**
 Test pressure at 20°C (bar): **30.0 bar**

Casing fastener type: **Hex bolt, 316SS**
 Discharge pipe conn. C27: **Yes**
 Draining of pump conn. C40: **Yes**
 Press. measuring conn. C36: **Yes**
 Casing draining pipe: **Duplex, with valve**
 Casing draining pipe connect.: **Threaded connection to casin**

SHAFT SEAL

Shaft seal type: **Cartridge single, on sleeve**
 Seal chamber type: **Tapered Bore**
 Shaft seal fluid: **Quench / Unpressurized fluid**
 Mechanical seal type: **Special**

Mechanical seal body material: **316SS**
 Shaft seal faces: **Special**
 Shaft seal elastomer material: **FKM, Fluorocarbon**

BEARING UNIT

Bearing lubrication type: **Oil bath (with oil slinger)**
 Bearing unit equipment: **Special**
 Constant level oiler type: **Trico O-M 4oz, ZN**

Bearing unit equipment: **Constant level oiler**
 Bearing isolation: **Inpro**

SPECIALITIES OF PUMP

Specialities of Pump: **1IN ESCO BULLS EYE SIGHT GLASS**

Special parts of Pump: **PLAN 62 MOUNTED TO BASEPLATE**

WET END PERFORMANCE

Operational Point: **Standard range**
 Variable rotational speed: **No**
 Pump rotational speed: **1,785 rpm**
 Max. rotational speed: **1,785 rpm**
 Characteristic curve: **K63428**
 Capacity Q (gpm): **1,925.0 gpm**

Rated power P (kW): **92.5 kW**
 Efficiency: **79.5 %**
 Capacity Q water (gpm): **97.9 gpm**
 Head H water (ft): **237.1 Feet**
 NPSH required water (ft): **0.0 Feet**
 Rated power P water (HP): **10.8 HP**

Sulzer Pumps (US) Inc. 2800 NW Front Ave. PORTLAND OR 97210	Contact Person Troy Boatright LBU Order 4501819862-0 LBU Position Reference no. 767870/000010 Equipment 18-P-1824 Telephone 8648559090
--	---

SULZER PUMPS SOLUTIONS IN PRODUCT SPECIFICATION	<table> <tr> <td>Description</td><td>CPE32-6G</td></tr> <tr> <td>Serial Number</td><td>100260809</td></tr> <tr> <td>Reference no.</td><td>767870/000010</td></tr> <tr> <td>Time of delivery/EXW</td><td>09/09/2022</td></tr> <tr> <td>Date printed</td><td>07/19/2022 Page 3</td></tr> </table>	Description	CPE32-6G	Serial Number	100260809	Reference no.	767870/000010	Time of delivery/EXW	09/09/2022	Date printed	07/19/2022 Page 3
Description	CPE32-6G										
Serial Number	100260809										
Reference no.	767870/000010										
Time of delivery/EXW	09/09/2022										
Date printed	07/19/2022 Page 3										
Customer AIR PRODUCTS MANUFACTURING LLC. 7201 HAMILTON BLVD. ALLENTOWN PA 18195-9642 USA Cust. Order 4501819862-0 Cust. PO line Country code US	Sulzer Pumps (US) Inc. 2800 NW Front Ave. PORTLAND OR 97210 USA Equipment 18-P-1824 Id										

Capacity Q (m3/h): **437.22 m3/h**
Head H (ft): **219.5 Feet**
Head H (m): **66.9 m**
NPSH required (ft): **14.9 Feet**
NPSH required (m): **4.5 m**
Rated power P (HP): **124.0 HP**

Efficiency water: **38.9 %**
Motor synchronous speed: **1,800 rpm**
Units for motor power: **HP**
Motor power (HP): **200.00 HP**
Motor power (kW): **149.14 kW**

DRIVE MOTOR

Motor Supplier: **Sulzer**
Motor standard: **NEMA, Standard frame size**
Motor mounting: **Foot**
Motor manufacturer: **ABB BALDOR**
Motor protection: **Totally Enclosed Fan Cooled**
Motor efficiency class: **NEMA Premium efficiency**
Motor synchronous speed: **1,800 rpm**
Specialities of Drive motor: **QUOTE 1100740742-20**

Motor power (HP): **200.00 HP**
Motor frame material: **Cast Iron**
Motor type: **SEVER DUTY / IP55**
Motor nominal voltage: **460 V**
Motor NEMA frame size: **447T**
Motor variable speed: **Yes**
Specialities of Drive motor: **DIV 1 GROUP C&D**
Motor frequency: **60 Hz**

PACKAGE

Coupling spacer: **inch-dimensioned**
Coupling type: **Metal lamella, Thomas XTSR 71**
Coupling pump side bore (in): **2.375 "**
Coupling motor side bore (in): **3.375 "**
Coup. req. torque incl.SF (Nm): **1,186.8**
Coupling size: **1088XL**
Coupling guard material: **Aluminum**

Baseplate type: **PIP, fabric.steel**
Next larger motor frame option: **Not included in the deliver**
Baseplate No.: **398**
Baseplate surface treatment: **Standard, Corrosivity C4 [NZ]<**
Baseplate color shade: **Light grey (NCS 1700)**
Baseplate equipment: **Bi-Directional Motor adjusters**
Specialities of Package: **PLAN 62 MOUNTED ON BASEPLATE**

DOCUMENTS

Certificates: **Hydraulic performance**
Certificates: **Impeller balancing**
Certificates: **Material test (EN 2.1)**
Certificates: **Dimensions check**
Special Certificates: **CHECK CO-PLANAR MOUNTING PADS**
Special Certificates: **PMI WET CASTING AND SHAFT**

Certificates: **Hydrostatic test**
Certificates: **Mechanical test**
Certificates: **Material test (EN 2.2 / EN3.1)**
End user language for book: **EN, English**
Special Certificates: **L.D.P. ASME VIII APPENDIX. 7**

Sulzer Pumps (US) Inc. 2800 NW Front Ave. PORTLAND OR 97210	Contact Person Troy Boatright LBU Order 4501819862-0 LBU Position Reference no. 767870/000010 Equipment 18-P-1824 Telephone 8648559090
--	--

SULZER PUMPS SOLUTIONS IN PART LIST	Description	CPE32-6G
	Serial Number	100260809
	Reference no.	767870/000010
	Time of delivery/EXW	09/09/2022
	Date printed	07/19/2022 Page 4

Customer Instructions

D02.01	1	DIMENSIONAL DRAWING, PUMP	P31290EN
D02.02	1	DIMENSIONAL DRAWING	304303067EN
D02.03	1	Dimensional drawing	P02184EN
D02.04	1	DIMENSIONAL DRAWING, CONNECTIONS	N33119EN
D02.05	1	DIMENSIONAL DRAWING, SEAL CHAMBER	N33116EN
D03.01	1	Characteristic curve	K63428EN
D04.01	1	SECTIONAL DRAWING, PUMP	N33095EN
D04.03	1	SECTIONAL DRAWING, ASSEMBLY	N33096EN
D04.04	1	SIGN LOCATION DRAWING	N32652EN
D04.06	1	SECTIONAL DRAWING, SEALING UNIT	N33100EN
D05.00	1	Installation, operation and maintenance	N34017EN
D06.21	1	INSTRUCTION, MECHANICAL SEAL, JC 5610	C10549EN
D06.22	1	INSTRUCTION, SHAFT SEAL	CFC31263501QEN
D06.51	1	Component documents, Coupling, XTSR71	C11648EN
D06.81	1	INSTRUCTION, DRIVE MOTOR, BALDOR/RELIANC	C10731EN
D06.81	1	INSTRUCTION, DRIVE MOTOR	CMOT1006150EN
D07.01	1	CERTIFICATE EN10204-2.1	N30527EN
D07.02	1	MATERIAL CERTIFICATE 3.1	N30537EN_100260809
D07.03	1	Performance Certificate	N04386EN_100260809
D07.05	1	CERTIFICATE HYDROSTATIC TEST	N05670EN_100260809
D07.06	1	Cert. ISO21940 G1.0/G2.5/G6.3 1-plane	N05669EN_100260809
D07.09	1	MECHANICAL / VIBRATION TEST CERTIFICATE	N20186EN_100260809
D07.12	1	Liquid penetrant test certificate	N30221EN_100260809
D07.13	1	PMI Test report	N31073EN_100260809

Parts

102.01	304500178500Q01	1	VOLUTE CASE CPE32-6G O 150 RF 3.1	(41) A890 3A
161.01	304503010001Q01	1	CASE COVER CPE32 TB	(41) A890 3A
1707.01	CCF50503BE	1	NIPPLE 1/2-14 NPT X 3" 2205SS	(BE) EN 1.4462
183.01	610482SF52	1	SUPPORT FOOT CPT3	(52) A48 CL 30 B
210.01	712173SH3EQ01	1	SHAFT CPE3 SL EN 3.1	ASTM A276 UNS S32205
230.01	304501887001-C	1	IMPELLER CPE32-6G O	(41) A890 3A
Material and NDT tests: Material test EN 10204-3.1				
Impeller balancing: ISO 21940 G6.3 1-plane				
Impeller diameter (in): 14.70 "				
Impeller diameter (mm): 373.5 mm				
Impeller locking bolt: Not included in the delivery				
320.01	G433000317	1	ANTIFRICTION BEARING NUP 317 ECJ	
320.02	G325007315	2	ANTIFRICTION BEARING 7315 BECBM	

Sulzer Pumps (US) Inc. 2800 NW Front Ave. PORTLAND OR 97210	Contact Person Troy Boatright LBU Order 4501819862-0 LBU Position Reference no. 767870/000010 Equipment 18-P-1824 Telephone 8648559090
---	---

SULZER PUMPS SOLUTIONS IN PART LIST	Description	CPE32-6G
	Serial Number	100260809
	Reference no.	767870/000010
	Time of delivery/EXW	09/09/2022
	Date printed	07/19/2022 Page 5

330.01	304504311001	1	BEARING HOUSING CPE3 (M40_SG)	(53) A48 CL 35 B
339.01	CPE-339-C	1	BEARING UNIT CPE	
			Shaft size: 3	
			Bearing housing material: Grey cast iron (A48 CL 35 B)	
			Shaft material: Duplex SS (S32205/1.4462)	
			Material and NDT tests: Material test EN 10204-3.1	
			Bearing lubrication type: Oil bath (with oil slinger)	
			Bearing isolation: Inpro	
			Bearing unit equipment: Constant level oiler	
			Constant level oiler type: Trico O-M 4oz, ZN	
			Specialities of Pump: 1IN ESCO BULLS EYE SIGHT GLASS	
			Special parts of Pump: PLAN 62 MOUNTED TO BASEPLATE	
344.01	304502266001	1	ADAPTER CPE32	(5H) A395 60-40-18
360.01	304503075001	1	BEARING COVER CPE3	(53) A48 CL 35 B
382.01	304502415001	1	BEARING CARRIER CPE3	(5H) A395 60-40-18
400.01	304502746001	1	GASKET CPE32	(U0515) REINZ AFM 34
412.01	E124044294	1	O-RING 44,17X1,78	(94) PTFE
			Nominal diameters 1 3/4 x 1 7/8 x 1/16	
412.02	E11H184391	2	O-RING 184,3X5,7	(91) NBR
412.03	E11H149391	1	O-RING 149,3X5,7	(91) NBR
423.01	GK1A330000	1	LABYRINTH RING CPT3 VBX 3,250" INBOARD	Bronze
			p/n = 1221-A-16639-0	
423.02	GK1B330000	1	LABYRINTH RING CPT3 VBX 2,750" OUTBOARD	Bronze
			p/n = 1800-A-P0015-0	
426.01	GK1A330000	1	LABYRINTH RING CPT3 VBX 3,250" INBOARD	Bronze
			p/n = 1221-A-16639-0	
433.01	FC312635/01Q	1	MECHANICAL SEAL JC 5610Q-1 2.500" PER QUOTE	SiC/DCSiC/Viton/316SS
524.01	809313PS33	1	SHAFT WEARING SLEEVE CPT3	(33) SS2324
554.01	B360013037	4	WASHER 13 DIN7349	(37) A4 ISO3506
554.02	B310010537	6	WASHER ISO7089-10-200HV-A4	(37) A4 ISO3506
554.03	B360017037	4	WASHER 17 DIN7349	(37) A4 ISO3506
554.04	B360017037	2	WASHER 17 DIN7349	(37) A4 ISO3506
554.05	B360017037	2	WASHER 17 DIN7349	(37) A4 ISO3506
638.01	GH7/TRICO30005	1	CONSTANT LEVEL OILER TRICO OPTO-MATIC, MODEL #30005	
			Zinc body, 8 oz glass reservoir, 1/4 NPT female	
642.01	ESCO/3DB1000	2	SIGHT GLASS ESCO 3D BULLSEYE - P/N 3DB1000	
642.01	SP-A004289	2	SIGHT GLASS ELESA-GANTER HFTX.31-M40X1.5	
644.01	914707LR12	1	OIL RING CPT3 D192/91	(12) Fe P01 EN10130
672.01	GH55305000	1	VENTING DEVICE EV 1028-14-00 R 1/2	
683.01	304301235501	3	GUARD ADAPTER GUARD-CPE32 MAIN	(S0191) AISI304
683.01	304301412207	1	GUARD SET CPE32	(S0191) AISI304
683.02	304301236501	2	GUARD ADAPTER GUARD-CPE32 CORNER	(S0191) AISI304
685.01	6105800111	1	GUARD END 320MM O.D. FOR BEARING UNIT #3	(11) S235JRG2 EN10025

Sulzer Pumps (US) Inc. 2800 NW Front Ave. PORTLAND OR 97210	Contact Person Troy Boatright LBU Order 4501819862-0 LBU Position Reference no. 767870/000010 Equipment 18-P-1824 Telephone 8648559090
---	---

SULZER PUMPS SOLUTIONS IN PART LIST	Description	CPE32-6G
	Serial Number	100260809
	Reference no.	767870/000010
	Time of delivery/EXW	09/09/2022
	Date printed	07/19/2022 Page 6

686.01	931292017A	1	GUARD JACKET D320 L380	(7A) EN-AW5754 (AlMg3)
686.02	384477017A	1	GUARD JACKET D320 L185	(7A) EN-AW5754 (AlMg3)
723.01	CL3C0012BE/NPT	1	FLANGE 1/2" NPT, B16.5 CL150, THREADED	(BE) EN 1.4462
742.01	CCB1405077A	2	REDUCING PIECE M40X1.5(M) - 1"NPT(F) BUSHING	(7A) EN-AW5754 (AlMg3)
763.01	JCPLAN62_01Q	1	RESERVOIR JC PLAN 62 PANEL ASSM PER QUOTE	
793.01	CCF503031T	1	DOUBLE NIPPLE 1/4" NPT HEX NIPPLE 2" LONG	(1T) 8.8 ISO898 yellow zinc plated
(ZnC)				
800	MOT1006150	1	MOTOR ABB 200HP 4PL 447T PER QUOTE	
840.01	KE84C76086	1	COUPLING XTSR71-1088 2.375/3.375/5.25BSE	
901.01	A13207700B	16	HEXAGON HEAD SCREW 5/8-11UNC X 2.75 ASME B18.2.1	(S1916) ASTM F593 Group 2 Cond
SH1 (_F593E_)				
Alternative accepted grades:				
ASTM A193 Gr B8M Class 2				
ISO3506-1 A4-80				
901.02	A132066439	2	HEXAGON HEAD SCREW 1/2-13 UNC X 2.5 ASME B18.2.1	(S1914) ASTM F593 Group 2 Cond
CW1 (F593G)				
901.03	A132073839	6	HEXAGON HEAD SCREW 5/8-11UNC X 1.5 ASME B18.2.1	(S1914) ASTM F593 Group 2 Cond
CW1 (F593G)				
901.04	A132073839	2	HEXAGON HEAD SCREW 5/8-11UNC X 1.5 ASME B18.2.1	(S1914) ASTM F593 Group 2 Cond
CW1 (F593G)				
901.05	A132063839	3	HEXAGON HEAD SCREW 1/2-13UNC X 1.5 ASME B18.2.1	(S1914) ASTM F593 Group 2 Cond
CW1 (F593G)				
901.06	A132052539	4	HEXAGON HEAD SCREW 3/8-16UNC X 1 ASME B18.2.1	(S1914) ASTM F593 Group 2 Cond
CW1 (F593G)				
901.09	A132063239	3	HEXAGON HEAD SCREW 1/2-13UNC X 1.25 ASME B18.2.1	(S1914) ASTM F593 Group 2 Cond
CW1 (F593G)				
901.11	A132075139	2	HEXAGON HEAD SCREW 5/8-11UNC X 2 ASME B18.2.1	(S1914) ASTM F593 Group 2 Cond
CW1 (F593G)				
901.12	A132075139	2	HEXAGON HEAD SCREW 5/8-11UNC X 2 ASME B18.2.1	(S1914) ASTM F593 Group 2 Cond
CW1 (F593G)				
901.14	A132076439	4	HEXAGON HEAD SCREW 5/8-11UNC X 2.5 ASME B18.2.1	(S1914) ASTM F593 Group 2 Cond
CW1 (F593G)				
902.02	ACG206B40A	4	STUD 1/2-13 X 4.5 CT ASME B18.31.2	(S1914) ASTM F593 Group 2 Cond
CW1 (F593G)				
903.02	CC25030034	1	THREADED PLUG 1/4-18 NPT SCC102	(34) SS2343
903.03	CC25030034	1	THREADED PLUG 1/4-18 NPT SCC102	(34) SS2343
903.04	CC25030034	1	THREADED PLUG 1/4-18 NPT SCC102	(34) SS2343
903.05	CC25030034	1	THREADED PLUG 1/4-18 NPT SCC102	(34) SS2343
903.06	CC25030034	1	THREADED PLUG 1/4-18 NPT SCC102	(34) SS2343
903.07	CC25050034/MAG	1	THREADED PLUG 1/2-14 NPT MAGNETIC	(S0257) AISI 316
903.08	CC55030016	1	THREADED PLUG 1/4NPT SOCKET HEAD PIPE PLUG	(16) S+ZE EN10025
903.10	CC55030016	2	THREADED PLUG 1/4NPT SOCKET HEAD PIPE PLUG	(16) S+ZE EN10025
903.11	CC55060016	2	THREADED PLUG 3/4NPT SOCKET HEAD PIPE PLUG	(16) S+ZE EN10025

Sulzer Pumps (US) Inc. 2800 NW Front Ave. PORTLAND OR 97210	Contact Person	Troy Boatright
	LBU Order	4501819862-0
	LBU Position	
	Reference no.	767870/000010
	Equipment	18-P-1824
		Telephone 8648559090

SULZER PUMPS SOLUTIONS IN PART LIST	Description	CPE32-6G
	Serial Number	100260809
	Reference no.	767870/000010
	Time of delivery/EXW	09/09/2022
	Date printed	07/19/2022 Page 7

903.12	CC55020016	3	THREADED PLUG 1/8NPT SOCKET HEAD PIPE PLUG	(16) S+ZE EN10025
914.01	A611103539	3	CAP SCREW, SOCKET HD M10X35 ISO4762	(39) A4-80 ISO3506
920.02	B122060039	4	NUT 1/2-13UNC ANSI B18.2.2	(39) A4-80 ISO3506
920.03	B222704030	3	NUT M10 - PTROM-1040	(30) SS
923.01	GA11001510	1	BEARING NUT KM15	(10) S EN10025
931.01	GC10001510	1	LOCK WASHER MB15	(10) S EN10025
932.01	B710001030	3	RETAINING RING 10 - DIN471	(30) SS
940.01	B821607015	1	KEY 5/8X5/8X23/4 ANSI B 17.1-1967	(15) CK45K DIN1652
971.01	93265101BG	1	NAME PLATE CENTRIF PUMP EASLEY	(S0708) EN 1.4301
975.04	SS00050102	1	WARNING SIGN ROTATING SHAFT	
			Rotating shaft	
975.06	SS00050802	1	WARNING SIGN GUARD ADJUSTMENT	
			Guard adjustment, in english	
976.01	9413490600	1	MANDATORY ACTION SIG MECHANICAL SEAL (EN)	
976.02	9425430600	1	MANDATORY ACTION SIG MAWP (EN)	
976.03	304503957006	1	MANDATORY ACTION SIG OIL REFILL (EN)	
976.04	304503958002	1	MANDATORY ACTION SIG COUPLING ALIGNMENT (INCH)	

Separate Delivered Parts

975.01	SS00050202	1	WARNING SIGN CORROSIVE/IRRITATING LIQUID	
			Corrosive / Irritating liquid	

Sulzer Pumps (US) Inc. 2800 NW Front Ave. PORTLAND OR 97210	Contact Person Troy Boatright LBU Order 4501819862-0 LBU Position Reference no. 767870/000010 Equipment 18-P-1824 Telephone 8648559090
---	---