



Single Stage API-610 9th Edition Upgrade Program

PW-9 Standard Scope of Supply

- Disassemble, Clean and Inspect Existing Case and Impeller
- Engineering Review – Mechanical
- Engineering Review- Hydraulic
- Skim Suction and Discharge Flanges with 125/250 RMS Surface Finish
- Skim Casing Register Fit or Weld Up/Machine If Necessary to Achieve 0.002/0.004" Fit
- Skim Casing Gasket Fit
- Skim Casing Cover Flange Face
- Chase All Tapped Holes/Ports
- Manufacture New Shaft (ASTM A276 410 SS Cond. "T" 255 bhn)
- Manufacture New Casing Cover (Standard: WCB Carbon Steel)
- Manufacture New Stuffing Box Bushing (Standard: ASTM A276 420 SS 375-415 bhn)
- Manufacture New Impeller Lock Nut and Retaining Ring (ASTM A276 316 SS)
- Replace Bearing Housing with New Upgrade Design
- Provide New INPRO Bronze VBX Bearing Isolators
- Provide New Bronze Oil Rings
- Provide New Radial and Thrust Bearings
- Manufacture New Impeller Wear Rings (Standard: ASTM A276 420 SS 375-415 bhn)
- Manufacture New Casing and Stuffing Box Wear Rings (Standard: ASTM A276 410 SS 262-302 bhn)
- Provide New Graphalloy Filled VMC 304 SS Casing Gasket
- Dynamically Balance Rotor to 4 W/N Standard
- Assemble Pump
- Install New Mechanical Seal and Air Test for 30 Minutes
- Paint and Prepare for Shipment
- Provide Complete Data Package and Installation, Operation and Maintenance Manual.



Representative PW-9 Reference List

4x6x11 M	Goulds	3700	End-Top	II
1.5x3x11	Goulds	3700	End-Top	II
1.25L	Pacific	SVC	End-Top	I
5x2x10.5H	BJ	SJA	End-Top	I
6x8x11	BJ	DSJM	Top-Top	D.S. II
1x1.5x9	Nuovo Pignone	TC-L	End-Top	I
1.5x2x10	BJ	SMJI	Top-Top	I
B-1x7	Nuovo Pignone	TC	End-Top	I
3x13	Nuovo Pignone	TC-M	Side-Side	II
6x4x13	Nuovo Pignone	TCM	Side-Side	II
3x4x15	Worthington	EFP	End-Top	II
2x4x9	Goulds	3700	End-Top	I
3x4x8.5	BJ	SMJI	End-Top	I
2x4x9	Goulds	3700	End-Top	I
B-1x7	Nuovo Pignone	TC	End-Top	I
2x4x12	IR	A-Line	End-Top	II
2x4x10	IR	A-Line	End-Top	I
H-1.5x7	Nuovo Pignone	TC	End-Top	I
M1.5x7	Nuovo Pignone	TC	End-Top	I
J-2x9	Nuovo Pignone	U-TC	End-Top	I
1x1.5x8	Goulds	3736	End-Top	I
1.5x3x7	Goulds	3736	End-Top	I
1.5x3x7	Goulds	3736	End-Top	I
1x1.5x8	Goulds	3735	End-Top	I
3x4x11 H	Goulds	3735	End-Top	II
1x1.5x8	Goulds	3736	End-Top	I
1x1.5x8	Goulds	3735	End-Top	I
2x3x9	Goulds	3735	End-Top	I
1.5x2x9	Goulds	3735	End-Top	I
1x1.5x8	Goulds	3736	End-Top	I
1x1.5x8	Goulds	3736	End-Top	I
1x1.5x8	Goulds	3736	End-Top	I
1x1.5x8	Goulds	3736	End-Top	I
1x1.5x8	Goulds	3736	End-Top	I
1x1.5x7.25 (L)	Byron Jackson	SMJI	End-Top	I

3x1.5x10	Worthington	1.5 HN-112	End-Top	II
3x4x10	IR	A-Line	End-Top	I
1x1.5x7-M	Byron Jackson	SC7	End-Top	I
1.5x2x8.5	BJ	SJA	End-Top	I
1.5x12A	IDP	HPX	End-Top	I
4x8x15	Pignone	TC	End-Top	II
4x8x15	IR	AB	End-Top	II
6x8	IR	CSFL	End-Top	II
4x6x15.5 LL	BJ	SMJ	End-Top	II
4x6x15	Pignone	TC-J	Top-Top	II
4x8x15 AB	IR	A	End-Top	II
4x2x12 2L	Pacific	SVC	End-Top	II
1x3x13B	Goulds	3700	End-Top	II
3X6X10.5	INGERSOLL DRESSERSVCN7		End-Top	II
3X4X10.5H	BYRON JACKSON	SMJ	End-Top	I
1.5X3X7	GOULDS	3735	End-Top	I
1.5X313	NUOVO PIGNONE	TC	Top-Top	II
6X3X15	PACIFIC	SVCN	End-Top	II
1-1/4 S	PACIFIC	SVC	End-Top	I
B 1X7	NUOVO PIGNONE	TC	End-Top	I
3X9	NUOVO PIGNONE	TC	End-Top	I
3X6	PACIFIC	SVC	End-Top	I
2X4X9	GOULDS	3700	End-Top	I
2X4X10	INGERSOLL RAND	A-LINE	End-Top	I
1X1.5X8	GOULDS	3736	End-Top	I
1X1.5X8	GOULDS	3735	End-Top	I
1.5X2X9	GOULDS	3735	End-Top	I
1X1.5X8	GOULDS	3736	End-Top	I
1X1.5X7.25 (L)	BYRON JACKSON	SMJI	Top-Top	I
1.5x3x10	WORTHINGTON	1.5 HN-112	End-Top	I
3X4X10	INGERSOLL RAND	A-LINE	End-Top	II
1X1.5X7	BYRON JACKSON	SC7	End-Top	I
1.5X2X8.5 (H)	BYRON JACKSON	SJA	End-Top	I

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