



ITEM	PART NAME	MATERIAL	42" TWO STG. PUMP SIZE
100	DISCHARGE FLANGE	ASTM - A36	1 3/4" PLATE
101	PUMP HOOD	ASTM - A242 (COR-TEN)	1/4" PLATE
104	DISCHARGE ELBOW	ASTM - A342 (COR-TEN)	1/4" WALL
106	DISCHARGE COLUMN	ASTM - A242 (COR-TEN)	1/4" WALL
108	FIRST STG. VENTURI	ASTM - A242 (COR-TEN)	3/8" WALL
108A	SECOND STG. VENTURI	ASTM - A242 (COR-TEN)	1/4" WALL
107	IMPELLER CASING	ASTM - A242 (COR-TEN)	1/2" WALL
109	SUCTION BELL	ASTM - A242 (COR-TEN)	3/8" WALL
110	BAR SCRUBBER	ASTM - 1018	3/4" BAR
201	PUMP SEALT	ASTM - 1046 (PSG)	4" DIA.
202	SHAFT ENCLOSING TUBE	ASTM - 1026 - DOM	6 1/2" DIA.
203	SHAFT BEARING	SAE - 680 BRONZE	4" DIA.
204	BEARING LOCK COLLAR	ASTM - 1018	4" DIA.
206	BOWL SHAFT	ASTM - 416 ST. STL.	4" DIA.
400	FRESH STG. BOWL BEARING	RUBBER	4" DIA.
400A	SECOND STG. BOWL BEARING	SAE - 680 BRONZE	4" DIA.
401	LOWER SHAFT SEALS	NEOPRENE	4" DIA.
402	IMPELLER DRIVE KEY	ASTM - 416 ST. STL.	3/4" SQ.
403	IMPELLER BELL BEARING	RUBBER	3" DIA.
404	GUIDE CONE	ASTM - A242 (COR-TEN)	3/8" PLATE
405	IMPELLER LOCK RING	ASTM - A242 (COR-TEN)	4" DIA.
406	GUIDE VANES	ASTM - A242 (COR-TEN)	1/2" PLATE
407	HARDWARE	PLATED STEEL	3/4" DIA.
408	IMPELLER BLADES	ASTM - A276 TYPE 316L	6/8" PLATE
409	IMPELLER HUB	ASTM - A242 (COR-TEN)	1/8" PLATE
410	DIFFUSER VANES	ASTM - A276 TYPE 316L	3/8" PLATE
411	FRESH STG. DIFFUSER CONE	ASTM - A242 (COR-TEN)	3/8" PLATE
411A	SECOND STG. DIFFUSER CONE	ASTM - A242 (COR-TEN)	3/8" PLATE
600	SHAFT ADJ. NUT	ASTM - 1018	4" DIA.
601	PUMP SHEAVE DRIVE KEY	ASTM - 1018	3/4" SQ.
602	BEARING CAGE UPPER SEAL	NEOPRENE	-
603	BEARING CAGE SLEEVE	ASTM - 1018	-
604	BALL THROST BEARINGS	STEEL	-
605	BEARING CAGE HARDWARD	PLATED STEEL	3/4" DIA.
606	BEARING CAGE HARDWARD	PLATED STEEL	-
607	GRASSR FITTING	ASTM - 1018	-
608	BEARING CAGE COVER	ASTM - 1018	3/8" PLATE
609	ADJ. NUT SET SCREW	PLATED STEEL	1/2" DIA.
610	OIL RESERVOIR	ASTM - A53	1/8" WALL
700			

FOR: TITLE: 42" TWO STAGE AXIAL FLOW PUMP CROSS SECTION DWG. WITH MATERIAL LIST

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DWG. NO. 1

DATE: 2-May-02