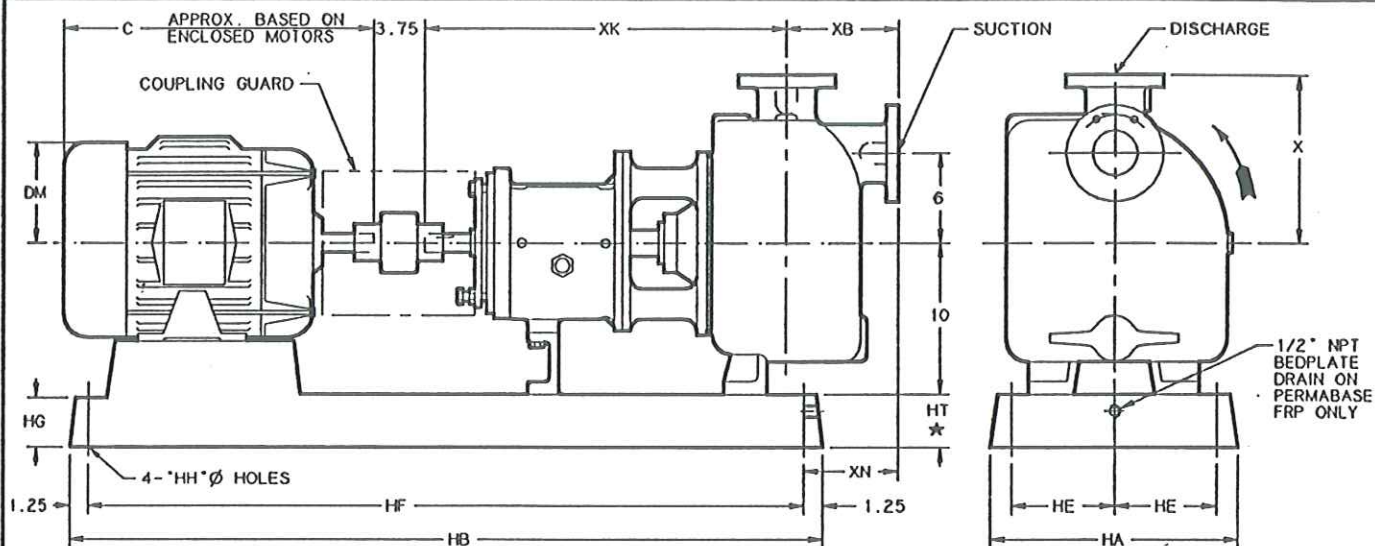




GOULDS PUMPS, INC.

INDUSTRIAL PRODUCTS GROUP
ENGINEERED PRODUCTS DIV.

PUMP OUTLINE DRAWING
MODEL 3796 MTX, LTX



BEDPLATE DIMENSIONS												
NO.	FOR MOTOR FRAMES	HA	HB	HT		HG		HE	HF	HH	WEIGHT	
				CAST IRON	FRP	CAST IRON	FRP				CAST IRON	FRP
1	143-215	12	45	3.75	3.94	3.75	3.62	4.50	42.50	.75	105	44
2	254-286	15	52	4.12	4.24	4.12	4.00	6.00	49.50	.75	155	56
3	324-365	18	58	4.75	5.06	4.75	4.88	7.50	55.50	1.00	205	77
4	404-405	18	60	5.00	NA	4.75	NA	7.50	57.50	1.00	240	NA
4	440 SER.	18	60	6.00	NA	4.75	NA	7.50	57.50	1.00	240	NA

MOTOR DIMENSIONS (TEFC)				
MOTOR FRAME SIZE	C	DM	WT. INCL. CPLG.	BEDPLATE NUMBER
143T	12.50	3.50	40	1
145T	13.50	3.50	45	1
182T	14.50	5.00	65	1
184T	15.50	5.00	75	1
213T	18.00	6.00	150	1
215T	19.50	6.00	160	1
254T	22.50	6.50	255	2
256T	24.00	6.50	280	2
284T	25.50	7.50	375	2
284TS	24.50	7.50	345	2
286T	27.00	7.50	430	2
286TS	26.00	7.50	380	2
324T	28.50	9.00	575	3
324TS	27.00	9.00	485	3
326T	30.00	9.00	640	3
326TS	28.50	9.00	570	3
364T	33.00	9.50	810	3
364TS	31.00	9.50	755	3
365T	34.00	9.50	950	3
365TS	32.00	9.50	865	3
404TS	34.00	11.00	1080	4
405TS	35.50	11.00	1110	4
444TS	38.50	12.50	1510	4

INSTALL FOUNDATION BOLTS IN PIPE SLEEVES.
ALLOW FROM .75" TO 1.50" FOR GROUTING.
SEE INSTRUCTION BOOK FOR DETAILS.

AVAILABLE OPTIONS

PUMP MODEL:

- ☒ 3796 MTX
☐ 3796 LTX

FLANGES:

- ☒ 150# ANSI FLAT FACE
☐ 150# ANSI RAISED FACE

BEDPLATE:

- ☒ CAST IRON
☐ PERMABASE FRP
☐ Y-BASE

CPLG. GUARD FURNISHED BY:

- ☒ GOULDS
☐ OTHERS

PUMP DIMENSIONS

DISCH. SIZE	SUCT. SIZE	CAS'G CLASS	X	XB	*XK	XN	WEIGHT
2	2	10	10.00	6.50	21.75	5.50	290
3	3	10	10.00	6.75	22.62	6.62	335
4	4	10	10.00	9.19	23.38	9.81	390
3	3	13	11.50	6.75	22.62	6.62	420
4	4	13	11.50	9.19	23.38	9.81	490

● NOT AVAILABLE FOR PUMP SIZES 3X3-13 AND 4X4-13.

* TOLERANCE IS +.38 -0 FOR CAST IRON BEDPLATE.

■ FOR PUMP SIZE 4X4-13, HT=4.62 CAST IRON
HT=4.81 FRP

FOR 3796 LTX, ADD 20 LBS.
TO PUMP WEIGHT GIVEN.

CERTIFIED FOR CONSTRUCTION PURPOSES ONLY WHEN SIGNED.

SIGNATURE Tracy Noble DATE 1/25/95

GOULDS SERIAL #780D374

CUSTOMER: ROHM & HAAS CO.

P.O. #P015-25069

ITEM #450-02-40163

SERVICE: XYLENE UNLOADING PUMP

FOR TAPPED OPENINGS REFER
TO DRAWING NO. A03867A.



ISSUE

DRAWING IS NOT TO SCALE
DIMENSIONS IN INCHES
WEIGHTS (LBS) ARE APPROXIMATE

DRAWN THO
7-25-91
APPROVED RAS
7-26-91

DRAWING
A03868A

REVISION
1

ISSUE
0



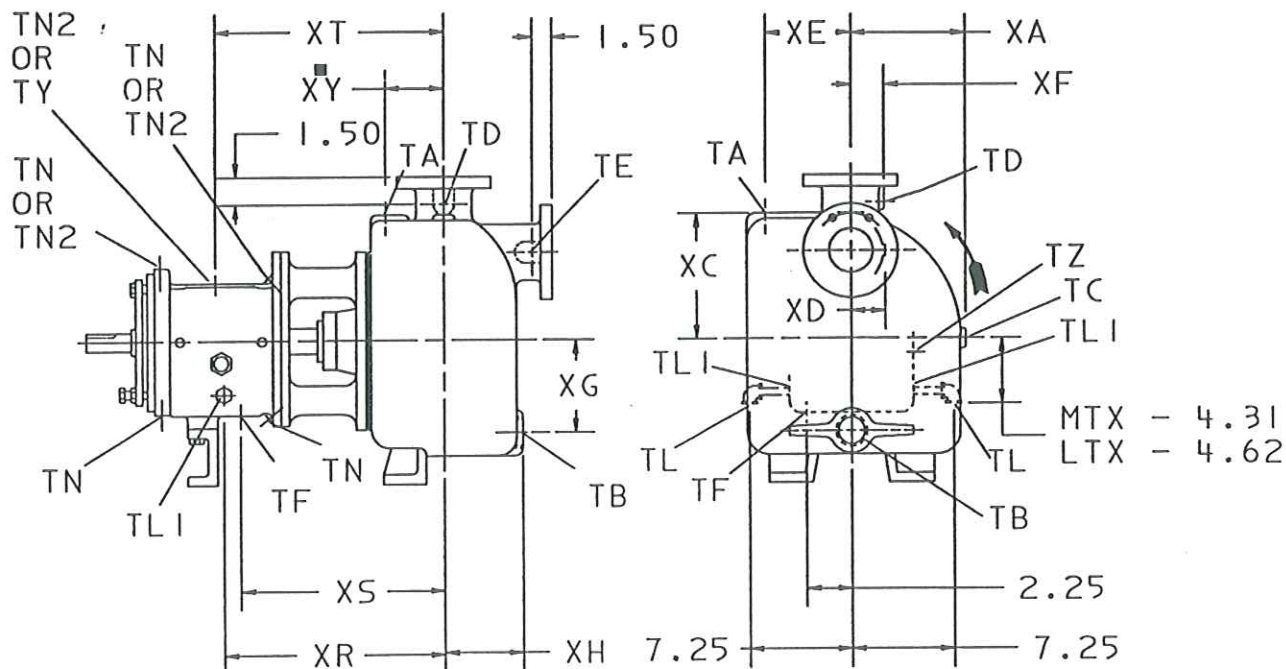
GOULDS PUMPS, INC.

INDUSTRIAL PRODUCTS G JP
ENGINEERED PRODUCTS DIV.

PUMP TAPPED OPENINGS
MODEL 3796 MTX, LTX

TAPPED OPENINGS

NO.	SIZE	QTY.	PURPOSE	FURNISHED		NO.	SIZE	QTY.	PURPOSE	FURNISHED	
				YES	NO					YES	NO
TA	1 1/2	1	CASING FILLER	X		TL	1/2	2	FRAME COOLING CONN.		X
TB	1 1/2	1	CASING DRAIN	X		TL1	---	2	FRAME COOLER ACCESS	X	
TC	3/8	1	BY-PASS CONNECTION		X	TN	1/4	4	GREASE FITTING	X	
TD	3/8	1	DISCHARGE GAUGE CONN.			TN2	1/4	2	OIL MIST INJECTION PORT	X	
TE	3/8	1	SUCTION GAUGE CONN.		X	TY	1/2	1	OIL FILL	X	
TF	3/8	1	BEARING FRAME DRAIN	X		TZ	1/4	1	BOTTLE OILER CONNECTION	X	



PUMP DIMENSIONS

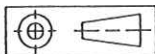
SIZE	XA	XC	XD	XE	XF	XG	XH	XR		XS	XT
								MTX	LTX		
2X2-10	6.62	7.25	1.75	4.94	1.75	6.25	5.00	13.44	13.06	12.12	13.38
3X3-10	6.88	7.50	2.25	5.12	2.25	6.75	4.88	14.31	13.94	13.00	14.25
4X4-10	6.88	7.50	2.69	5.62	2.75	6.75	7.38	15.06	14.69	13.75	15.00
X 3X3-13	8.38	9.00	2.25	6.75	2.25	7.88	4.75	14.31	13.94	13.00	14.25
4X4-13	8.62	9.38	2.69	6.94	2.75	8.25	7.38	15.06	14.69	13.75	15.00
6X6-13	10.88	11.25	3.88	0	3.88	8.00	5.50	19.44	19.06	18.12	19.38

■ XY= 7.62" WHICH APPLIES ONLY TO PUMP SIZE 6X6-13.

° CASING DRAIN IS 2" FOR PUMP SIZE 6X6-13 WITH IRON CASINGS ONLY.

PUMP MODEL

☒ 3796 MTX
☐ 3796 LTX



CERTIFIED FOR CONSTRUCTION PURPOSES ONLY WHEN SIGNED.

SIGNATURE Jacy Robins DATE 1/25/95

GOULDS SERIAL #780D374
CUSTOMER: ROHM & HAAS CO.
P.O. #P015-25069
ITEM #450-02-40163
SERVICE: XYLENE UNLOADING PUMP

ISSUE

DRAWING IS NOT TO SCALE
DIMENSIONS IN INCHES

DRAWN THO
7-25-91
APPROVED RAS
7-26-91

DRAWING

A03867A

REVISION

2

ISSUE

0

DATE 6-18-74

REV. DATE 9-13-93 ISSUE #1


GOULDS PUMPS, INC.
 SENECA FALLS NEW YORK 13148

CENTRIFUGAL PUMP CHARACTERISTICS

RPM 1750 CDS 2311-1

GOULDS SERIAL #780D374

CUSTOMER: ROHM & HAAS CO.

P.O. #P015-25069

ITEM #450-02-40163

SERVICE: XYLENE UNLOADING PUMP

MODEL 3796

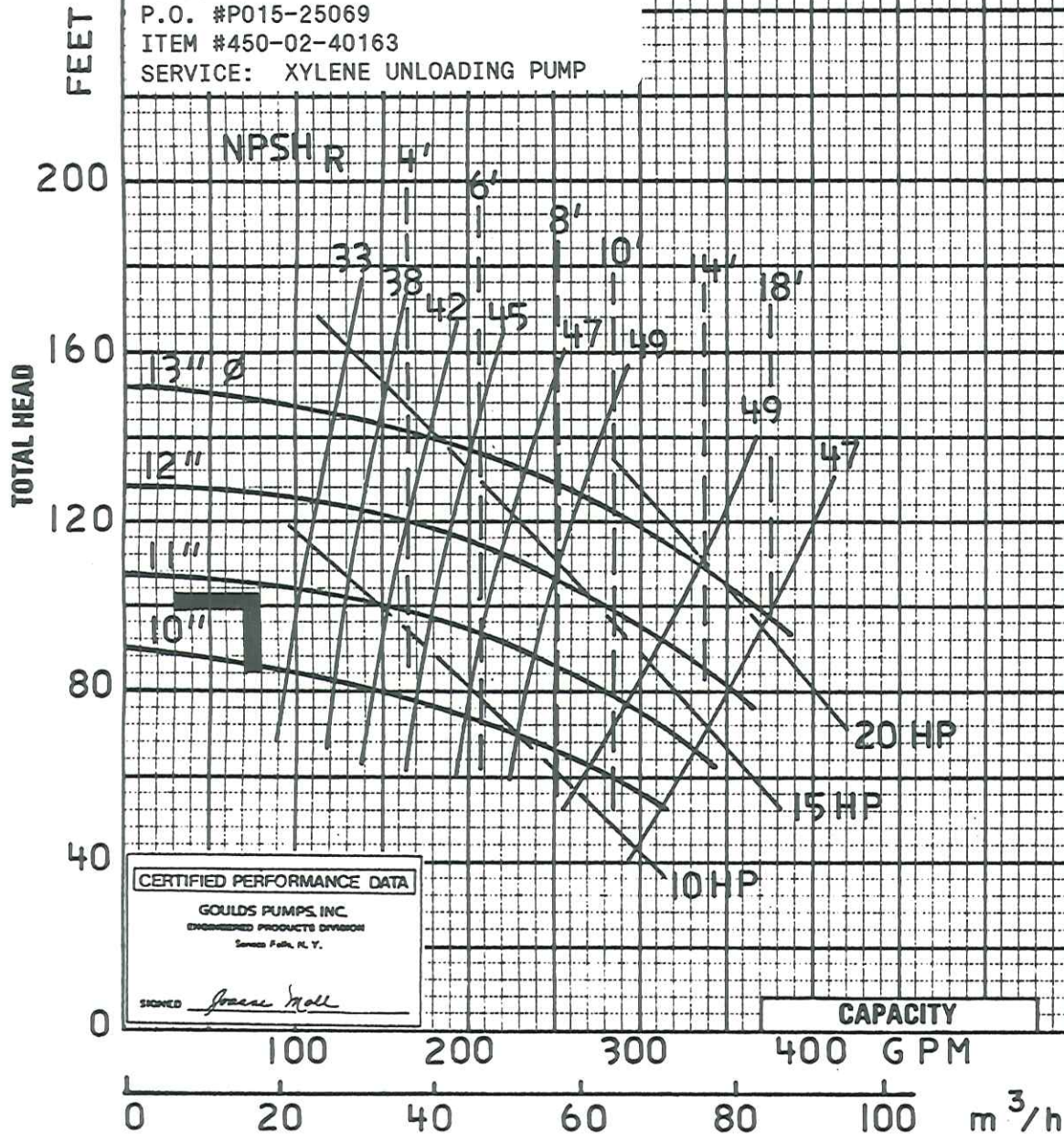
SIZE 3 x 3-13

IMP. DWG. 100-540 | 100-539

PATTERN 68642 | 68643

EYE AREA 7.66 in²

11.0" IMP. DIA.



EFFECTIVE STATIC LIFT - FT.

(STATIC LIFT x S.G.)

IMP.
DIA.

13" 12" 11" 10"

PRIMING TIME - SEC.

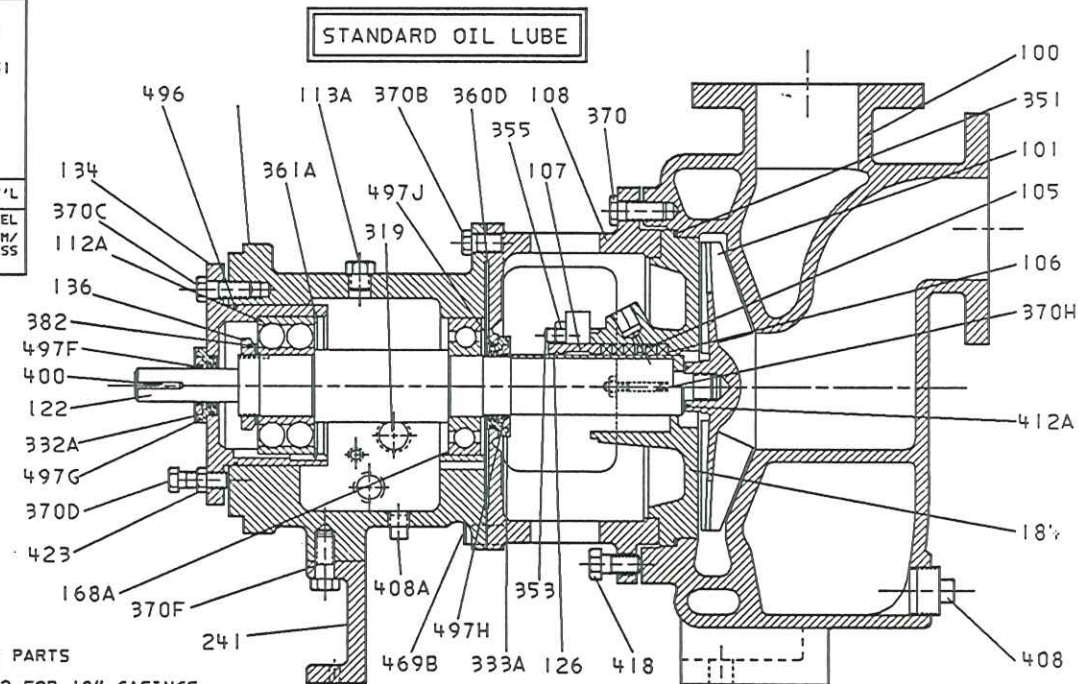
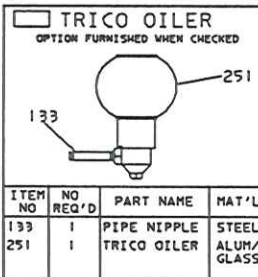
(FOR 3" PIPE EQUAL IN LENGTH
TO EFFECTIVE STATIC LIFT.)

FOR TOTAL SYSTEM PRIMING

TIME REFER TO SUPPLEMENTAL
SHEET 725.4 A1

BILL OF MATERIAL CONSTRUCTION: DUCTILE IRON

ITEM NO	QTY PER PUMP	PART NAME	MATERIAL
100	1	CASING	DI
101	1	IMPELLER	316SS
105	2	LANTERN RING HALF	TEFLON
106	1	STUFFING BOX PKG	NON-ASB
107	1	GLAND	316SS
108	1	FRAME ADAPTER	DI
112A	1	BALL BRG OTBD	STEEL
113A	1	PLUG.OIL FILL	STEEL
122	1	SHAFT	STEEL
126	1	SHAFT SLEEVE	316SS
134	1	BRG HOUSING	CI
136	1	BRG LOCK NUT	STEEL
168A	1	BALL BRG INBD	STEEL
184	1	STUFF BOX COVER	DI
228	1	FRAME	CI
241	1	FRAME FOOT	CI
319	1	SIGHT GLASS	STL/GLASS
332A	1	LBYSR SEAL OTBD W/O-RING	TFL/GPH
333A	1	LBYSR SEAL INBD W/O-RING	TFL/GPH
351	1	GASKET-CASE	EPDM-RBR
353	2	STUD-GLAND	316SS
355	2	NUT GLAND STUD	304SS
360D	1	GASKET-FR-ADPTR	VELLUMOID
361A	1	RTNG RING-BRG HSG	STEEL
370	1	H CAP SCR-ADPTR-CASE	STEEL
370B	4	H CAP SCR-ADPTR-FR	STEEL
370C	3	H TAP BOLT-BRG HSG	STEEL
370D	3	H TAP BOLT-IMPLR-ADJ	STEEL
370F	2	H CAP SCR-FR-FOOT	STEEL
370H	2	STUD-COVER-ADPTR	304SS
382	1	BRG LOCKWASHER	STEEL
400	1	KEY.SQUARE	STEEL
408	2	PLUG, DRAIN & PRIME	DI
408A	1	MAG. PLUG-OIL DRAIN	STEEL
408J	1	PLUG.SIGHT OILER	STEEL
408H	4	PLUG.OIL MIST CONN	STEEL
412A	1	O-RING IMPELLER	TEFLON
418	3	H TAP BOLT-JACKING	304SS
423	3	JAM NUT FOR 370D	STEEL
469B	2	DOWEL PIN-FR-ADPTR	ALLOY-ST
496	1	O-RING-BRG HSG	BUNA-RBR
497F	1	O-RING.OTBD SEAL ROT.	VITON
497G	1	O-RING.OTBD SEAL STA.	VITON
497H	1	O-RING.INBD SEAL ROT.	VITON
497J	1	O-RING.INBD SEAL STA.	VITON



* RECOMMENDED SPARE PARTS

Ⓐ ITEM 370 IS QTY 12 FOR 10" CASINGS
& QTY 16 FOR 13" CASINGS.

Ⓑ GLAND BOLTING FOR PACKING GLAND
(ITEM 353 & 355) IS QTY 2, FOR
MECHANICAL SEAL QTY 4.

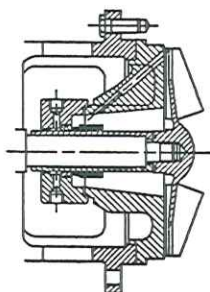
Ⓒ ITEMS NOT ILLUSTRATED.

NOTE: IF UNIT IS FURNISHED WITH
MECHANICAL SEAL,DELETE ITEMS
105,106,& 107 AND REFER TO
SEAL DRAWING NO. 265-28453

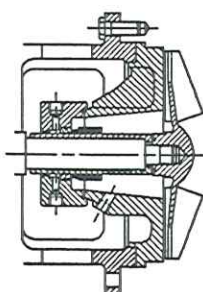
☒ ATTACHED ☐ TO FOLLOW

SEAL CHAMBER OPTIONS OPTION FURNISHED WHEN CHECKED

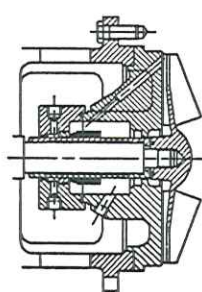
☐ TAPER BORE™
WITH INTERNAL BY-PASS



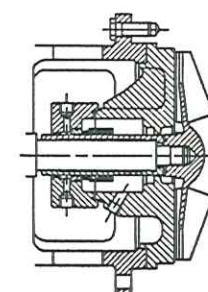
☐ TAPER BORE™



☐ BIG BORE™
WITH INTERNAL BY-PASS



☐ BIG BORE™
WITH EXTERNAL BY-PASS



GOULDS SERIAL #780D374
CUSTOMER: ROHM & HAAS CO.
P.O. #P015-25069
ITEM #450-02-40163
SERVICE: XYLENE UNLOADING PUMP

PUMP CROSS SECTION DRAWING MODEL 3796MTX			
GOULDS PUMPS, INC. INDUSTRIAL PRODUCTS GROUP ENGINEERED PRODUCTS DIV.			
DRAWN DDT 08/12/91	CHECKED DDT 08/12/91	APPROVED RAS 08/13/91	THIRD ANGLE PROJECTION
DRAWING IS NOT TO SCALE			REV. 1
B03503A2			