MONSANTO COMPANY
CENTRAL ENGINEERING PURCHASING
800 NORTH LINDBERGH BLVD. ST. LOUIS, MISSOURI 63166

RECEIVING REPORT

722421

VOUCHER NO.	
WK.	NUMBER

PURCHASE ORDER	
DATE	P. O. NUMBER
5-21-68	1800-9-0089

VENDOR
SCHUTTE & KOERTING COMPANY
& SEARS-WESTALL COMPANY
2200 SOUTH BRENTWOOD BLVD.
ST. LOUIS, MISSOURI 63144

7 - WO 8-1260

SHIP TO
MONSANTO CO. (PROJECT 1800)
EAST ST. LOUIS (SAUGET),
ILLINOIS
ATTENTION: J. G. CLIFTON

DATE RECEIVED	SHIPPING POINT	PRO. NO.	NO. PKGS.

COMPLETE SHIPMENT	PARTIAL SHIPMENT	SHIPPED VIA	PPD.	COLL.	AMOUNT OF FRT.

PRICED F.O.B.	TERMS	REQUISITIONED BY / EXPEDITER / FIELD ENGINEER
CORNWELLS HEIGHTS, PA.	NET 30	J.ARNOLD/SHELTON/CLIFTON:J

BUYER NUMBER 50 — SHIP ON OR BEFORE JUNE 14, 1968 — NOTE — DAYS IN TRANSIT 7 — BUYER LAMBLA

NO.	QUANTITY	DESCRIPTION	BALANCE DUE	QUANTITY RECEIVED
1	1	CAT. -AREA- EQUIP. NO. 013 - 02 - 426.000 CLASS 632 FURAN FUME SCRUBBER TO CONSIST OF: ONE (1) 12" FIGURE 7010 FUME SCRUBBER WITH FIGURE 622L NOZZLE AND ONE (1) 12" FIGURE 7040 SEPARATOR ALL OF FURAN-FIBERGLAS CONSTRUCTION IN ACCORDANCE WITH THE ATTACHED SPECIFICATION FOR EQUIPMENT NUMBER 426 REVISION 1 DATED MARCH 18, 1968. TOTAL COST: SEND ALL COMMUNICATIONS AND ANY DOCUMENTS PERTAINING TO THIS ORDER TO THE ATTENTION OF W. D. SHELTON, OX 4-6855. VENDOR SHALL COMPLY WITH ATTACHED VENDOR DATA REQUIREMENTS VENDOR SHALL COMPLY WITH ATTACHED DRAWING IDENTIFICATION INSTRUCTIONS. TO EXPEDITE DELIVERY, VENDOR SHALL NOT SUBMIT APPROVAL PRINTS, BUT SHALL IMMEDIATELY PROCEED WITH FABRICATION AND FURNISH FINAL PRINTS IN ACCORDANCE WITH ATTACHED "VENDOR DATA REQUIREMENTS" FORM. EACH SHIPMENT SHALL BE MARKED AND TAGGED WITH MONSANTO ORDER NUMBER AND MATERIAL IDENTIFICATION OR EQUIPMENT NUMBER. THIS ORDER IS EXEMPT FROM THE USE OR SALES TAX OF ILLINOIS 4-1/4%. EQUIPMENT TO BE USED FOR POLLUTION CONTROL PURPOSES. END		

PROJECT	AREA	CAT (MAIN)	CAT (SUB)	EQUIPMENT NO. ALPA	EQUIPMENT NO. NUMERIC	EQUIPMENT NO. ALPA	P. O. NO.	DIV	LOC	ACCOUNT MAIN	ACCOUNT SUB	EXP. CLASS	WEEK	VOUCHER NO.	CR	AMOUNT $	AMOUNT ¢	TRANS COMPL	VENDOR NO.
4	4	3	1	19	6	2	6	2	3	3	2	3	2	6	1	7	2	1	6
								18		264	00	000							
										390	00								
								18	000	761									
								18	000	437	00								
								18	000	752	00	000							

MATERIAL RECEIVED BY

PAYMENT COMPLETE (Filled in by Accts. Only) ☐

PCB-ARCH-EXT0372240

MONSANTO COMPANY
CENTRAL ENGINEERING PURCHASING
800 NORTH LINDBERGH BLVD. ST. LOUIS, MISSOURI 63166

RECEIVING REPORT

VOUCHER NO. WK.	VOUCHER NO. NUMBER	PURCHASE ORDER DATE	PURCHASE ORDER P. O. NUMBER
		3-21-68	1800-9-0089

722421

VENDOR
SCHUTTE & KOERTING COMPANY
& SEARS-WESTALL COMPANY
2200 SOUTH BRENTWOOD BLVD.
ST. LOUIS, MISSOURI 63144

SHIP TO
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EAST ST. LOUIS (SAUGET),
ILLINOIS
ATTENTION: J. G. CLIFTON

DATE RECEIVED	SHIPPING POINT	PRO. NO.	NO. PKGS.

COMPLETE SHIPMENT	PARTIAL SHIPMENT	SHIPPED VIA	PPD.	COLL.	AMOUNT OF FRT.

PRICED F.O.B.	TERMS	REQUISITIONED BY / EXPEDITER / FIELD ENGINEER
CORNWELLS HEIGHTS, PA.	NET 30	J.ARNOLD/SHELTON/CLIFTON:J

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PROJECT	AREA	CAT (MAIN)	CAT (SUB)	EQUIPMENT NO. ALPA	EQUIPMENT NO. NUMERIC	EQUIPMENT NO. ALPA	P. O. NO.	DIV	LOC	ACCOUNT MAIN	ACCOUNT SUB	EXP. CLASS	WEEK	VOUCHER NO.	CR	AMOUNT $	AMOUNT ¢	TRANS COMPL	VENDOR NO.
4	4	3	1	9	6	2	8	2	3	3	2	3	2	6	1	7	2	1	6
								18		264	00	000							
										390	00								
								18	000	761									
								18	000	437	00								
								18	000	752	00	000							

MATERIAL RECEIVED BY

PAYMENT COMPLETE (Filled in by Accts. Only) ☐

PCB-ARCH-EXT0372241

Monsanto COMPANY

LOCATION NEAR BLOW TANK

FUME SCRUBBER & SEPARATOR
SPECIFICATION

PROJ/DEPT 811.00
PLANT W. G. KRUMMRICH

EQUIP. NO. 426
AUTH NO. 1800 AREA NO. 02
BY J. L. ARNOLD DATE 1-31-68
APPD SHEET 1 OF 1

NAME BLOW TANK FUME SCRUBBER AND SEPARATOR NO. REQD 1

EQUIPMENT DESCRIPTION (SIZE, MATERIAL, ETC.)

FUNCTION: TO DROWN HCL GAS WITH WATER AND SEPARATE IT FOR AIR POLUTION CONTROL

MATERIALS HANDLED:

BIPHENYL	- 30	LB/HR
CHLORINE	- 42	"
AIR	- 615	"
HYDROGEN	- 5	"
HCL	2149	"

MAX. AIR & HCL GAS TEMP 320°F
NORMAL HCL GAS FLOW 10 CFM
MAX. HCL GAS FLOW 600 CFM

~~AUXILIARIES~~
BLOWN AIR TEMP. - OUTSIDE AMBIENT
NORMAL AIR FLOW - 135 SCFM
MAX. AIR FLOW - 200 SCFM

WATER TEMP. - 60°F
WATER PRESS. 40 PSIG
WATER FLOW RATE 85 GPM

MATERIAL OF CONSTRUCTION - SOLID FURAN (1)

REMARKS (TESTS, SPECIAL INSTRUCTIONS, ETC.)

UNIT SHOULD BE SIMILAR TO A SCHUTTE KOERTING TYPE 7014 GAS SCRUBBER SEPARATOR W/ LARGE WATER NOZZLE 1" DRAFT SIZE 12"

REV NO.	REVISION	BY	DATE	APPD	DATE	VENDOR
(1)	CHANGED MATLS. FROM HAVEG 61	JLA	3-18-68			
(2)						P. O. NO.
(3)						PRICE

ES92 (1/66)

PCB-ARCH-EXT0372242

Monsanto COMPANY

LOCATION NEAR BLOW TANK

FUME SCRUBBER & SEPARATOR
SPECIFICATION

PROJ/DEPT 811.05
PLANT W. G. KRUMMRICH

EQUIP. NO. 426
AUTH NO. 1800 AREA NO. 02
BY J. L. ARNOLD DATE 1-31-62
APPD SHEET 1 OF 1

NAME BLOW TANK FUME SCRUBBER AND SEPARATOR NO. REQD 1

EQUIPMENT DESCRIPTION (SIZE, MATERIAL, ETC.)

FUNCTION: TO DROWN HCL GAS WITH WATER AND SEPARATE IT FOR AIR POLUTION CONTROL

MATERIALS HANDLED:

BIPHENYL	30	LB/HR
CHLORINE	42	"
AIR	615	"
HYDROGEN	5	"
HCL	2149	"

MAX. AIR & HCL GAS TEMP 320°F
NORMAL HCL GAS FLOW 10' CFM
MAX. HCL GAS FLOW 600 CFM

~~AUXILIARIES~~ BLOWN AIR TEMP. - OUTSIDE AMBIENT
NORMAL AIR FLOW - 135 SCFM
MAX. AIR FLOW - 200 SCFM

WATER TEMP. - 60°F
WATER PRESS. 40 PSIG
WATER FLOW RATE 65 GPM

MATERIAL OF CONSTRUCTION - SOLID FURAN (1)

REMARKS (TESTS, SPECIAL INSTRUCTIONS, ETC.)

UNIT SHOULD BE SIMILAR TO A SCHUTTE KOERTING TYPE 7019 GAS SCRUBBER SEPARATOR W/ LARGE WATER NOZZLE 1" DRAFT SIZE 12"

REV NO.	REVISION	BY	DATE	APPD	DATE	VENDOR
(1)	CHANGED MATLS. FROM HAVEG 61	JLA	3-18-66			
(2)						P. O. NO.
(3)						PRICE

ES92 (1/66)

PCB-ARCH-EXT0372243

Monsanto COMPANY

LOCATION By Blow Tank (It. 422)	Fume Scrubber and Separator ~~PROJ~~/DEPT. 811.00 PLANT W. G. Krummrich	EQUIP. NO. 426 AUTH NO. 1800 AREA NO. 2 BY L. L. Lohman DATE 12-26-67 APPD. SHEET 1 OF 1

Function

1. To remove HCl gas from the Blow Tank (It. 422) and to combine the HCl with water in the separator for air pollution control.
2. To drown HCl gas from the four continuous chlorinator units when vented.

Description

Schutte and Koerting Gas Scrubber - Separator
Type 7010 scrubber
Large nozzle
1" draft
12" suction and discharge
Material of Construction — Hoveg 61

Type 7040 Separator Tank
12" inlet nozzle
Material of Construction

Materials Handled

Stream #6
Biphenyl — 30 lbs/hr
Chlorine — 42 lbs/hr
Air — 615 lbs/hr
Hydrogen — 5 lbs/hr
HCl — 2149 lbs/hr

Max. air + HCl gas temp. — 430°F
HCl gas flow normal — 10 CFM
max. — 600 CFM $= \frac{2149 \times 359}{36.5 \times 60} \cdot \frac{477}{273}$

Blown air temperature — ambient (assume 60°F)
Air flow normal — 135 SCFM
max. — 200 SCFM

City water temp. — 60°F
pressure — 40 psig
water flow rate — 85 gal/min

REV NO.	REVISION	BY	DATE	APPD	DATE
1	APPROVED FOR DESIGN	RSY	12/26/67		
2					
3					

ES-93 (2/66)