

# SETHCO VERTICAL PUMP & FLOOR MOUNTED CHAMBER

FOR CORROSIVE  
LIQUID FILTRATION

# CECO Mefiag

A Division of CECO Environmental

## ZDD SERIES

- Corrosion resistant CPVC pump and filter construction. No metal contact with solution.
- Vertical pumps feature bearing free, sealless design.
- Can be mounted inside or outside of tank.
- Pumps are self priming when mounted in tank.
- Available in eight sizes offering filtration rates from 300 to 6000 GPH.
- Recommended for electroless nickel and copper plating, acid copper plating, bright nickel plating solder (Tin/lead fluoborate) plating, chrome plating (Tri & Hexavalent), and all Cyanide plating solutions. Also suitable for most other acid and alkaline process solutions.
- Recommended for high temperature applications (to 200°F / 93°C)
- All motors are totally enclosed, fan cooled, U.L. recognized, CSA approved and continuous duty rated.
- Chamber accepts all standard double open end filter cartridges and carbon cartridges.
- Fast, easy cartridge replacement.



**MODEL ZDD-900 WITH THREE  
TUBE CHAMBER**

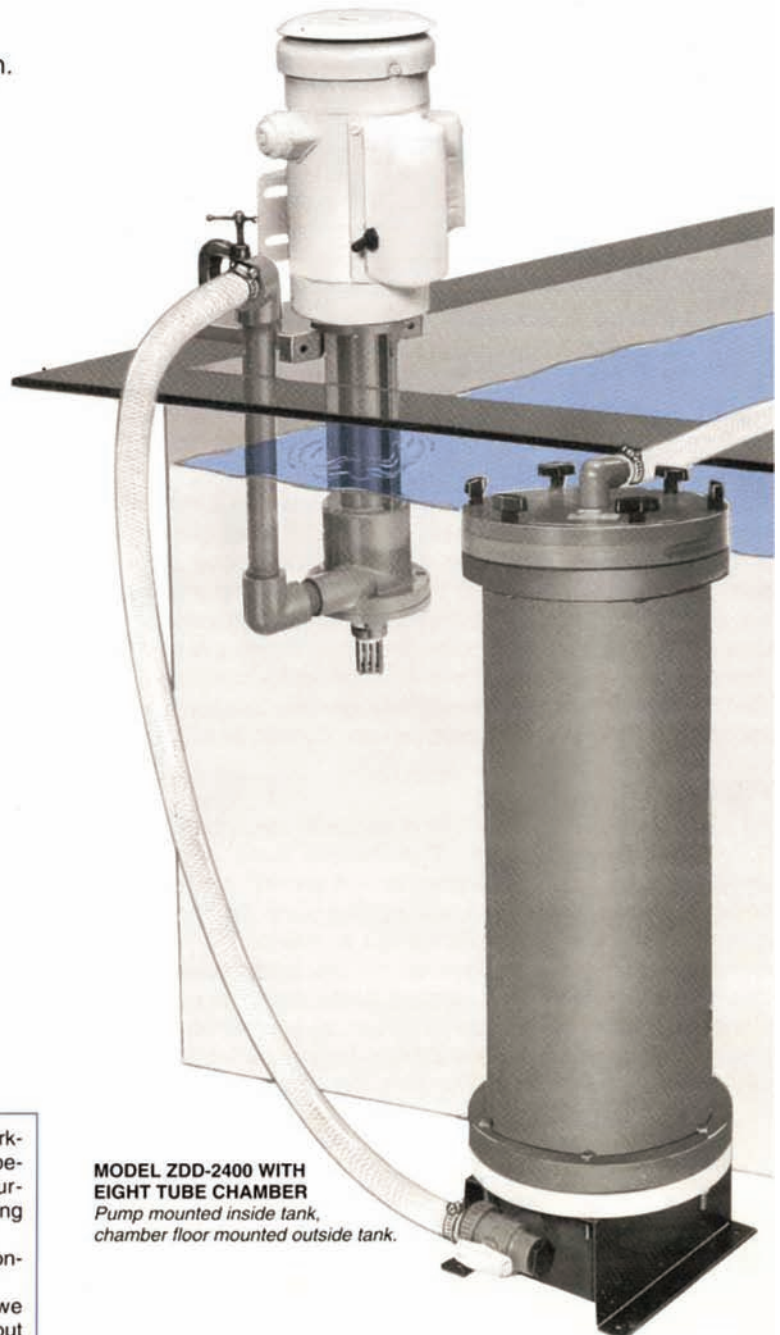
*Pump mounted outside tank, chamber  
floor mounted outside tank*

**WARRANTY:** One year warranty against defective parts and workmanship. See Form TC-01 for full warranty details. Always be specific about your application in order that proper materials may be furnished. Let Mefiag or an authorized distributor know: liquids being handled, gallons, temperature and pH.

The standard warranty does not apply when equipment is used contrary to factory recommendations.

Since the policy of Mefiag is one of continual improvement, we reserve the right to change design or materials at any time, without giving notice or creating any obligation to previous or future customers.

*From 300 GPH to 6,000 GPH  
Filtration Rates*



**MODEL ZDD-2400 WITH  
EIGHT TUBE CHAMBER**

*Pump mounted inside tank,  
chamber floor mounted outside tank.*



	ZDD-300	ZDD-600	ZDD-900	ZDD-800	ZDD-1600	ZDD-2400	ZDD-3200	ZDD-3612
<b>Flow Rate</b>								
GPH	300-900	600-1800	900-2700	800-2400	1600-4200	2400-4800	2400-4800	3600-6000
LPH	1100-3400	2250-6800	1100-10000	3000-6000	3000-12000	9000-18000	9000-18000	13500-23000
<b>Pump Model No.</b>	ZDX-1/2B	ZDX-3/4B	ZDX-1F	ZDX-1F	ZDX-2D	ZDX-2D	ZDX-2D	ZDX-3A
<b>Horsepower</b>	1/4	3/4	1	1	2	2	2	3
<b>Max. Pump PSI</b>	9.5	12	18	18	27	27	27	36
<b>Chamber** Model No.</b>	D-30	D-60	D-90	D-800	D-1600	D-2400	D-3200	D-3612
<b>Filter Tubes***</b> (Quantity/Size)	3 #10	3 #20 or 6 #10	3 #30 or 9 #10	8 #10	8 #20 or 16 #10	8 #30 or 24 #10	8 #40 or 32 #10	12 #30 or 36 #10
<b>Chamber Dimensions (see bulletin 401 for drawings)</b>								
Width (In)	9"	9"	9"	13"	13"	13"	13"	15-1/2"
Width (cm)	22	22	22	33	33	33	33	39"
Height (In)	22-1/8"	31-5/8"	42-1/2"	22-1/8"	31-5/8"	42-1/2"	52-1/2"	42-3/8"
Height (cm)	56	80	108	56	80	108	133	107
<b>Chamber Outlet</b>								
Hose ID x NPT (In)	1-1/4" x 1-1/4"	1-1/4" x 1-1/4"	1-1/4" x 1-1/4"	1-1/4" x 1-1/2"	1-1/4" x 1-1/2"	1-1/4" x 1-1/2"	1-1/4" x 1-1/2"	2" x 2"
<b>Pump Dimensions</b>								
Max. Width (In)	5-3/8"	5-3/8"	7-1/4"	7-1/4"	7-1/4"	7-1/4"	7-1/4"	10"
Max. Width (cm)	13.5	13.5	18.5	18.5	18.5	18.5	18.5	24.5
Max. Height (In)	21-7/8"	23-1/2"	25-1/4"	25-1/4"	27-1/4"	27-1/4"	27-1/4"	28.5"
Max. Height (cm)	55	60	64	64	27.25	27.25	27.25	71
<b>Weight†</b>								
Pump (lbs)	22	33	48	48	58	58	58	80
Pump (kilo.)	10	15	22	22	26	26	26	36
Chamber (lbs)	17	23	29	27	38	81	98	135
Chamber (kilo.)	8	10	13	12	17	37	44	61

\*\* See bulletin 401 for details    \*\*\* See bulletin 901 for details    † add approximately 20% for shipping weight.

## FILTER CHAMBERS

Chambers are constructed of corrosion resistant CPVC with Viton o-rings. They are suitable for virtually all electroplating solutions and many other acid, alkaline and corrosive applications at temperatures to 200°F (93°C). They are designed to accept standard open end filter tubes or carbon cartridges. Change of filter media is quick and easy. Shell and base of chamber stay sealed when cover is removed for servicing. See Bulletin 401 for complete information. For additional information on in-tank filter systems, see Bulletin 553.

## PUMPS

All ZDD filter systems include a corrosion resistant CPVC "ZDX" Series vertical pump. The versatile pump is specially designed to be mounted in-tank, for self priming convenience or out-of-tank to save in-tank space. The pump incorporates a unique opposing twin-impeller design to provide high volume circulation and eliminate leakage up the pump column. No bearings or seals and no wearing parts permit dry running without damage. CPVC construction eliminates any metal contact with solution.

Visit [www.sethco.com](http://www.sethco.com) for pump details.

## PUMP SPECIFICATIONS: (60 cycle)

Model	Max Flow		Max Pressure		Motor Characteristics				Inlet NPT	Inlet Hose "ID"
	GPM	LPM	FT.	M.	Volts	Hertz	Phase	Type		
ZDX-1/2B	44	166	22	6.7	115/230 or 208-230/380-440	50/60	1 or 3	TEFC	1"	1-1/4"
ZDX-3/4B	56	211	35	10	115/230 or 208-230/380-440	50/60	1 or 3	TEFC	1-1/4"	1-1/4"
ZDX-1F	90	340	53	16	115/230 or 208-230/380-440	50/60	1 or 3	TEFC	1-1/2"	1-1/2"
ZDX-2D	104	390	63	19.2	208-230-380-460 208-230/380-440	50/60	3	TEFC	1-1/2"	1-1/2"
ZDX-3A	110	416	84	25.6	208-230/380-460 208-230/380-440	50/60	3	TEFC	2"	-

† See price list for available electrical characteristics.  
Note that 50 Hertz motors reduce filtration rates by approximately 20%

## FILTER TUBES

Polypropylene, or Cotton, depending on application. Filter tubes are available for controlled filtration from 150 microns to .5 micron. Standard densities are coarse (50 microns), medium (25 microns), fine (15 microns), X-fine (10 microns), Special B (1-3 microns), and Special C (.5 micron). All systems are supplied with 1 set of 15 micron polypropylene tubes. For complete specifications on filter tubes, see Bulletin 901. For carbon tubes, see Bulletin 913.

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