

CHEM-TECH Mechanical Diaphragm Pumps - DUPLEX

Series 100D and 150D

Offering the same features as the Series 100 and 150 Models but configured as duplex units capable of dosing 2 chemicals at different rates.

Note: Standard Features do not add to the pump price.

Remember that liquid end adders must be doubled for duplex pump models.



Standard Agency Listings			
Model	ETL	ETLsan	CE
All 60Hz	X	X	
All 50Hz			X
Contact factory for alternate listings			



Chem-Tech Series 100D and 150D Duplex Selection Guide

MODELS:	Series 100D Duplex Pump
144	= 4.0 gpd (0.63 lph) / 4.0 gpd (0.63 lph) max pres.: 50 PSI (3.5 BAR)
145	= 5.0 gpd (0.79 lph) / 4.0 gpd (0.63 lph) max pres.: 50 PSI (3.5 BAR)
155	= 5.0 gpd (0.79 lph) / 5.0 gpd (0.79 lph) max pres.: 50 PSI (3.5 BAR)
244	= 6.5 gpd (1.03 lph) / 6.5 gpd (1.03 lph) max pres.: 75 PSI (5.25 BAR)
245	= 7.5 gpd (1.18 lph) / 6.5 gpd (1.03 lph) max pres.: 75 PSI (5.25 BAR)
255	= 7.5 gpd (1.18 lph) / 7.5 gpd (1.18 lph) max pres.: 75 PSI (5.25 BAR)
264	= 12.0 gpd (1.89 lph) / 8.0 gpd (1.26 lph) max pres.: 60 PSI (4.2 BAR)
265	= 12.0 gpd (1.89 lph) / 9.0 gpd (1.43 lph) max pres.: 60 PSI (4.2 BAR)
344	= 14.0 gpd (2.21 lph) / 14.0 gpd (2.21 lph) max pres.: 75 PSI (5.25 BAR)
345	= 18.0 gpd (2.84 lph) / 14.0 gpd (2.21 lph) max pres.: 75 PSI (5.25 BAR)
355	= 18.0 gpd (2.84 lph) / 18.0 gpd (2.84 lph) max pres.: 75 PSI (5.25 BAR)
364	= 25.0 gpd (3.94 lph) / 15.0 gpd (2.37 lph) max pres.: 60 PSI (4.2 BAR)
365	= 25.0 gpd (3.94 lph) / 19.0 gpd (3.0 lph) max pres.: 60 PSI (4.2 BAR)
444	= 30.0 gpd (4.72 lph) / 30.0 gpd (4.72 lph) max pres.: 75 PSI (5.25 BAR)
445	= 30.0 gpd (4.72 lph) / 33.0 gpd (5.20 lph) max pres.: 75 PSI (5.25 BAR)
	Series 150D
455	= 33.0 gpd (5.20 lph) / 33.0 gpd (5.20 lph) max pres.: 75 PSI (5.25 BAR)
464	= 69.0 gpd (10.88 lph) / 32.0 gpd (5.05 lph) max pres.: 60 PSI (4.2 BAR)
465	= 69.0 gpd (10.88 lph) / 24.0 gpd (3.79 lph) max pres.: 60 PSI (4.2 BAR)
466	= 69.0 gpd (10.88 lph) / 69.0 gpd (10.88 lph) max pres.: 60 PSI (4.2 BAR)

ELECTRICAL:	XA	= 115V, 60 Hz
	XB	= 230V, 50 Hz
	XC	= 230V, 60 Hz

LIQUID END MATERIALS:	AAA	= Clear PVC / CSPE / Ceramic
	AAB	= Clear PVC / CSPE / TFE
	ABA	= Clear PVC / Viton / Ceramic
	ABB	= Clear PVC / Viton / TFE
	ACA	= Clear PVC / TFE/Viton / Ceramic
	AHA	= Clear PVC / TFE/CSPE / Ceramic
	BAA	= PVC / CSPE / Ceramic
	BAB	= PVC / CSPE / TFE
	BBA	= PVC / Viton / Ceramic
	BBB	= PVC / Viton / TFE
	BHA	= PVC / TFE/CSPE / Ceramic
	DAA	= PP / CSPE / Ceramic
	DAB	= PP / CSPE / TFE
	DBA	= PP / Viton / Ceramic
	DBB	= PP / Viton / TFE
	GFA	= Clear PVC / TFE / Ceramic (dbl)
	GFB	= Clear PVC / TFE / TFE (dbl)
	EFC	= 316SS / TFE / 316SS (dbl)

CONNECTION SIZES:	A	= Tubing .44" PVC Suction / .50" PE Discharge
	C	= Tubing .38" PVC Suction / .38" PE Discharge
	F	= Tubing .44" PVC Suction / .50" PE BLK Discharge
	S	= Tubing .38" PVC Suction / .38" PE BLK Discharge
	X w / 316	= .25" FNPT Suction / .25" FNPT Discharge

SUFFIX CODES:	XXX	= Standard
	CZXXX	= CE Approval
	001	= Current Interrupter
	500*	= Five Function Valve
	520*	= Five Function Degas Valve
	ITS	= 15 gal ITS Tank System

* Not available in SS. Adder price is per head.

A completed model number should look like "1445-XA-BAAAXXX"

STANDARD ACCESSORIES

Series 100/150/100D/150D/200: Pumps with tubing connections come with foot valve/strainer/weight, 4' of suction tubing, bleed valve, 4' of return tubing, 8' of discharge tubing, and injection/back pressure valve assembly.



Chem-Tech KOPkit Selection Guide			KX100
PRODUCT DESIGNATOR:	KX100	= Chem-Tech Kopkit	
LIQUID END MATERIALS:			
Head, Diaph., Seats & Balls	AAA	= Clear PVC / CSPE / Ceramic	
	AAB	= Clear PVC / CSPE / TFE	
	ABA	= Clear PVC / Viton / Ceramic	
	ABB	= Clear PVC / Viton / TFE	
	ACA	= Clear PVC / TFE/Viton / Ceramic	
	AHA	= Clear PVC / TFE/CSPE / Ceramic	
	BAA	= PVC / CSPE / Ceramic	
	BAB	= PVC / CSPE / TFE	
	BBA	= PVC / Viton / Ceramic	
	BBB	= PVC / Viton / TFE	
	BHA	= PVC / TFE/CSPE / Ceramic	
	DAA	= PP / CSPE / Ceramic	
	DAB	= PP / CSPE / TFE	
	DBA	= PP / Viton / Ceramic	
	DBB	= PP / Viton / TFE	
	GFA	= Clear PVC / TFE / Ceramic (dbl)	
	GFB	= Clear PVC / TFE / TFE (dbl)	
	EFC	= 316SS / TFE / 316SS (dbl)	
CONNECTION :	A	= Tubing .44" PVC Suction / .50" PE Discharge	
	C	= Tubing .38" PVC Suction / .38" PE Discharge	
	F	= Tubing .44" PVC Suction / .50" PE BLK Discharge	
	S	= Tubing .38" PVC Suction / .38" PE BLK Discharge	
	X w/ 316	= .25" FNPT Suction / .25" FNPT Discharge	

Series 100, 150, 100D, 150D, 200 and Prime Performance Parts Schedule

Part No.	Description	Part No.	Description
00006	Suction Tubing - per foot 7/16" OD	J26909	Bulkhead Fitting (PVC-5/16")
00007	Suction Tubing - per foot 3/8"	J26910	Bulkhead Fitting w/without strainer (PVC-3/8")
00008	Discharge Tubing - per foot 1/2" OD	J26905	Bulkhead Fitting for ITS (PVC-1/4")
00009	Discharge Tubing - per foot 1/2" Black	J27903	Gasket, TFE
00010	Discharge Tubing - per foot 3/8"	27911	Gasket
00011	Discharge Tubing - per foot 3/8" Black	28210	Gear Housing Assembly #210
20038	1/2" NPT Connection - PVC - fits Suction side of Pump Head and Back Ck. Vlv. Assy. (per connection)	28211	Gear Housing Assembly #215
20039	1/2" NPT Connection - PVC - fits Discharge side of Pump Head and Strainer Assy. (per connection)	28212	Gear Housing Assembly #220
J20560	Ball Check (ceramic)	28213	Gear Housing Assembly #230
21829	Drive Bracket Assy. S100	28214	Gear Housing Assembly #240
21960	Bronze Bushing (right)	28215	Gear Housing Assembly #260
21961	Bronze Bushing (left)	28216	Gear Housing Assembly #280
21962	Bronze Bushing (center)	28217	Gear Housing Assembly #2-100
21971	Diaphragm Shaft Bushing	28218	Gear Housing Assembly #2-120
22255	Cam Bearing Assy. S100 - 3, 7, 15, 30 GPD	28521	Grommet
22256	Cam Bearing Assy. S100 - 24 GPD	28800	Head, Clear PVC
22257	Cam Bearing Assy. S150 - 68, 100 GPD	28803	Head, Polypropylene
23700	Shaft Collar - .38 Small	28896	Head Assy, (SST-TFE-SST-1/4" S/D)
23701	Shaft Collar - .38 Large	28897	Head Assy, (PVC-VT-C-1/2" S/D)
J24269	Oil (quart)	28899	Head Assy, (PP-VT-C-1/2" S/D)
24450	Current Interrupter - S100 - 115V	28902	Head Assy, (PVC-VT-C-3/8" S/D)
24452	Current Interrupter - S200 - 115V	29036	Head Assy, (PP-VT-C-3/8" D)
24453	Current Interrupter/Plug Receptacle S200 - 115V	29230	Motor Housing
24454	Current Interrupter/Plug Receptacle/Bottom Plate (Standard) 115V	29232	Pump Housing (Duplex)
24481	Current Interrupter - S100 - 230V	29313	Main Housing 10, 15, 20, 30, 40, 60, 100 GPD
24482	Current Interrupter - S200 - 230V	29314	Main Housing 120 GPD only
24820	Cord Assy. - 115V, 60 Hz	30460	Output Adjustment Knob
24821	Cord - 230V, 50 or 60 Hz	30467	Output Adj Knob Asm S150
J24960	Coupling Nut, PVC 1/2" (Standard)	30468	Output Adj Knob Asm S100
24961	Coupling Nut, PP 1/2"	J30496	Housing - S100 - 3, 7, 15, 30 GPD
24963	Coupling Nut, PVC 3/8"	J30497	Housing - S100 - 24 GPD
25180	Motor Cover	J30498	Housing - S150, 68, 100 GPD
25704	Diaphragm, CSPE	J30503	Motor - 115V, 60 Hz, S200
25706	Diaphragm, Viton	J30504	Motor - 230V, 50 Hz, S200
25707	Diaphragm, PTFE Coated	J30505	Motor - 230V, 60 Hz, S200
J26780	Injection Fitting, PVC 3/8"	J30507	Kit, Bleed, Valve, PVC/HPY/ 3/8
26781	Injection Fitting, PVC 1/2"	J30509	Kit, Bleed, Valve, PVC/VTN/ 3/8
26858	Bulkhead Fitting (PP-1/2")	J30510	Kit, Bleed, Valve, PVC/TFE/ 3/8
26867	Bulkhead Fitting (PP-3/8")	J30511	Kit, Bleed, Valve, FPP/CSPE/ 3/8
J26907	Bulkhead Fitting (PVC-1/2")	J30513	Kit, Bleed, Valve, FPP/VTN/ 3/8
J26908	Bulkhead Fitting (PVC-3/8")		

