



# Data Sheet

Form No.	Issue Date	Rev. Date
DS-4001	04/19/96	4/15/21

## DISCHARGE FITTINGS FOR WATEROUS FIRE PUMPS

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**ORDER A DISCHARGE FITTING TO BE MOUNTED ON EACH SIDE (LEFT AND RIGHT) OF THE FOLLOWING PUMPS:**

- CM, CMH, CMU, CMUH
- CS, CSH, CSU, CSUH
- CXV, CXR (With Discharge Manifold)

All other pumps either do not require discharge fittings, or they are ordered along with the pump body.

Also specify any auxiliary fittings and discharge valves which are to be mounted on the main fitting pads.

Refer to the following drawings:

- Discharge Fittings - DPL82085
- Auxiliary Fittings - DPL82088
- Discharge Valves - See data sheet DS-4000

**NOTE:** If you are ordering a pump mounted discharge relief valve, be sure to order a discharge fitting with a relief valve pad on the side (right or left) that the valve is mounted.

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**DISCHARGE FITTINGS FOR WATEROUS FIRE PUMPS**

**DISCHARGE FITTING LIST:**

Table 1. Discharge Fittings

Fitting			Side Pad Machining	Relief Valve Provision	Part Number	
Type	Length	Description			Iron	Bronze
Wyes	8.00 in.	Wye with Bolt-On Side Pads	2-1/2 in. 4-Bolt	No	71600-8	N/A
		Wye with Bolt-On Side Pads	2-1/2 in. 4-Bolt	Yes	81388-7	81388-7BZ
	10.00 in.	Wye with Bolt-On Side Pads	2-1/2 in. 4-Bolt	Yes	71441-22	71441-22BZ
		Wye with Bolt-On Side Pads	2-1/2 in. 4-Bolt	No	71442-22	71442-22BZ
		Wye with Bolt-On Side Pads	2-1/2 in. 4-Bolt, 3-1/2 in. 8-Bolt	No	82325-1	N/A
Extensions	8.00 in.	Extension with 2-1/2 in. NPT Tap	N/A	No	62052-1	N/A
Tees	8.00 in.	Tee, with 2-1/2 in. NPT Tap	N/A	No	80827-1	N/A
Elbows	4.00 in. x 5.062 in.	Elbow, 90 Degrees	N/A	No	71597	71597-BZ
Tapped Flanges	1.250 in.	Tapped Flange, 2-1/2 in. NPT	N/A	No	52556	52556-BZ
		Tapped Flange, 3 in. NPT	N/A	No	51744	N/A
		Tapped Flange, 3-1/2 in. NPT	N/A	No	51744-1	N/A
		Tapped Flange, 4 in. NPT	N/A	No	51744-4B	NA
Blind Flanges	.50 in.	Blind Flange	N/A	No	52042-1	52042-1BZ
Spacers	1.00 in.	Spacer, 1 in. Long	N/A	No	51754-A	51754-ABZ
	.75 in.	Spacer, 3/4 in. Long	N/A	No	52703-A	52703-ABZ
"H" Manifold	WAT 4-Bolt U.B. 2-1/2 in. Panel Facing Pads	Left Side Mounting	No	83167-1A	N/A	
		Right Side Mounting	No	83167-2A	N/A	
	WAT 4-Bolt U.B. 2-1/2 in. & U.B. 3 in. Panel Facing Pads	Left Side Mounting	No	83167-1B	N/A	
		Right Side Mounting	No	83167-2B	N/A	
	WAT 4-Bolt U.B. 2-1/2 in. & WAT 4-Bolt (3 in. Opening) Panel Facing Pads	Left Side Mounting	No	83167-1C	N/A	
		Right Side Mounting	No	83167-2C	N/A	

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**AUXILIARY FITTING LIST:**

Table 2. Auxiliary Fittings

Pad Fitting Is To Be Mounted On	Auxiliary Fittings			Part Number		
	Type	Length	Description	Iron	Bronze	
2-1/2 in. 4-Bolt Flanges (Type 1 Fittings)	Extensions	4 in.	Extension, 4 in.	6038-4A	6038-4ABZ	
		6 in.	Extension, 6 in.	6038-6A	6038-6ABZ	
			Extension, 6 in. With 2-1/2 NPT Tap	60346-A	60346-ABZ	
			Extension, 6 in. With Flowmeter Pad	71916-A	71916-ABZ	
		8 in.	Extension, 8 in.	6038-8A	6038-8ABZ	
	Extension, 8 in. With 2 in. Offset		71037-A	71037-ABZ		
	Elbows	4.25 in. x 3.50 in.	Elbow, Short, 90 Deg.	61424-A	61424-ABZ	
		N/A	Elbow, 45 Deg.	70436-A	70436-ABZ	
		10.25 in. x 5.563 in.	Elbow, Long Sweep, 90 Deg.	71017-A	71017-ABZ	
		7.00 in. x 4.125 in.	Elbow, Medium, 90 Deg.	71443-A	71443-ABZ	
		7.00 in. x 4.125 in.	Elbow, Medium, 90 Deg. With 1 in. NPT Tap	71443-1A	71443-1ABZ	
	Tapped Flanges	N/A	1-1/2 in. NPT	63048-A	63048-ABZ	
		N/A	2 in. NPT	62897-A	N/A	
		N/A	2-1/2 in. NPT	61473-A	61473-ABZ	
		N/A	2-1/2 in. NPT, Angle Compensated	62605-A	62605-ABZ	
		N/A	2-1/2 in. BSP (Tapered BS21)	63205-A	N/A	
		N/A	3 in. NPT	61636-A	61636-ABZ	
		N/A	3 in. NPT, Angle Compensated	62605-1A	62605-1ABZ	
	Blind Flanges	N/A	Blind Flange	62939-A	62939-ABZ	
	Discharge Valves	N/A	See Data Sheet DS-4000	See DS-4000	See DS-4000	
	2-1/2 in. NPT Taps (Type 2 Fittings)	Pipe Plugs	N/A	Pipe Plug, Square Head, 2-1/2 in. NPT	W 6540	W 6540-B
			N/A	Pipe Plug, Headless, 2-1/2 in. NPT	W 6640	N/A
	2 in. NPT Taps (Type 3 Fittings)	Pipe Plugs	N/A	Pipe Plug, Square Head, 2 in. NPT	W 6532	W 6532-B
N/A			Pipe Plug, Headless, 2 in. NPT	W 6632	W 6632-B	
1-1/2 in. NPT Taps (Type 4 Fittings)	Pipe Plugs	N/A	Pipe Plug, Square Head, 1-1/2 in. NPT	W 6524	W 6524-B	

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Table 2. Auxiliary Fittings (Continued)

Pad Fitting Is To Be Mounted On	Auxiliary Fittings			Part Number	
	Type	Length	Description	Iron	Bronze
3-1/2 in. 8-Bolt Flanges (Type 7 and 8 Fittings)	Extensions	4 in.	Extension, 4 in.	62408-A	62408-ABZ
		5.50 in.	Extension, 5-1/2 in. Without Tap	72540-A	N/A
			Extension, 5-1/2 in. With 1-1/4 in. NPSM Tap	72067-A	72067-ABZ
			Extension, 5-1/2 in. With 1-1/4 in. NPT Tap	72067-1A	72067-1ABZ
		6 in.	Extension, 6 in.	62407-A	62407-ABZ
		8 in.	Extension, 8 in. With 2-1/2 in. NPT Tap	62052-1A	N/A
			Extension, 8 in. With Flowmeter Pad	62551-A	N/A
			Extension, 8 in. With 2 in. Offset	71599-A	71599-ABZ
			Extension, 8 in., 4 NH Thread	72071-A	72071-ABZ
		9.50 in.	Extension, 8 in., 3-1/2 NH Thread	72072-A	72072-ABZ
	Extension, 9-1/2 in. With 5-7/16 in. Offset		70828-A	N/A	
	Elbows	5.062 in. x 4.00 in.	Elbow, 90 Deg.	71597-A	71597-ABZ
	Tees	8.00 in. x 4.00 in.	Tee, 8 in. Long With 2-1/2 in. NPT Tap	80827-1A	N/A
	Tapped Flanges	N/A	2-1/2 in. NPT	52556-A	N/A
		N/A	3 in. NPT	51744-A	N/A
		N/A	3 in. NPT, Angle Compensated	72257-A	72257-ABZ
		N/A	3 in. BSP (Tapered BS21), Angle Compensated	72844-A	N/A
		N/A	3-1/2 in. NPT	51744-1A	N/A
		N/A	3-1/2 in. NPT, Angle Compensated	72098-A	72098-ABZ
		N/A	4 in. NPT	51744-4C	N/A
	Blind Flange	N/A	Blind Flange With 3/8 in. NPT Drain	52042-1A	52042-1ABZ
	Spacers	.75 in.	Spacer, 3/4 in.	52703-A	52703-ABZ
		1.062 in.	Spacer, 1-1/16 in.	51754-A	51754-ABZ
		2.125 in.	Spacer, 2-1/8 in.	51754-AA	N/A
	Adapters	N/A	Adapter, 4 in. ANSI To 3-1/2 in. Waterous, Non-Angle Comp.	72402-A	72402-ABZ
				72402-1A	72402-1ABZ
			Adapter, 4 in. ANSI To 3-1/2 in. Waterous, Angle Comp.	72797-A	72797-ABZ
72797-1A				72797-1ABZ	

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*Table 2. Auxiliary Fittings (Continued)*

Pad Fitting Is To Be Mounted On	Auxiliary Fittings			Part Number	
	Type	Length	Description	Iron	Bronze
3-1/2 in. 8-Bolt Flanges (Type 7 and 8 Fittings)	Discharge Valves	N/A	See Data Sheet DS-4000	See DS-4000	See DS-4000
3 in. NPT Taps (Type 9 Fittings)	Pipe Plugs	N/A	Pipe Plug, Square Head, 3 in. NPT	W 6548	W 6548-B
3 in. Relief Valve Pads (Type 14 Fittings)	Spacers	1.00 in.	Spacer, Relief Valve, 1 in.	61647-A	61647-ABZ
		2.00 in.	Spacer, Relief Valve, 2 in.	61647-AA	61647-AABZ
		4.00 in.	Spacer, Relief Valve, 4 in.	61646-A	61646-ABZ
	Tapped Flanges	N/A	3 in. NPT	62206-2A	N/A
	Blind Flanges	N/A	Blind Flange	62950-A	62950-ABZ
4 in. Relief Valve Pads (Type 15 Fittings)	Blind Flanges	N/A	Blind Flange	72569-A	72569-ABZ