

# Jinbo Marine

Marine & Offshore Equipment Datasheet

PRODUCT DATASHEET

## OTHER MARINE VALVES & ACCESSORIES

# LZF 3-Way Temperature Auto Regulating Valve

ISO9001 Supplier

Class Certificate

Export Supply

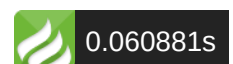
Purpose: LZF Temperature Auto Regulating Valve is called Automatic Temperature Controller, is mainly suitable for automatic temperature adjusting of fresh water system and lub oil system of marine machinery instal...



### Key Highlights

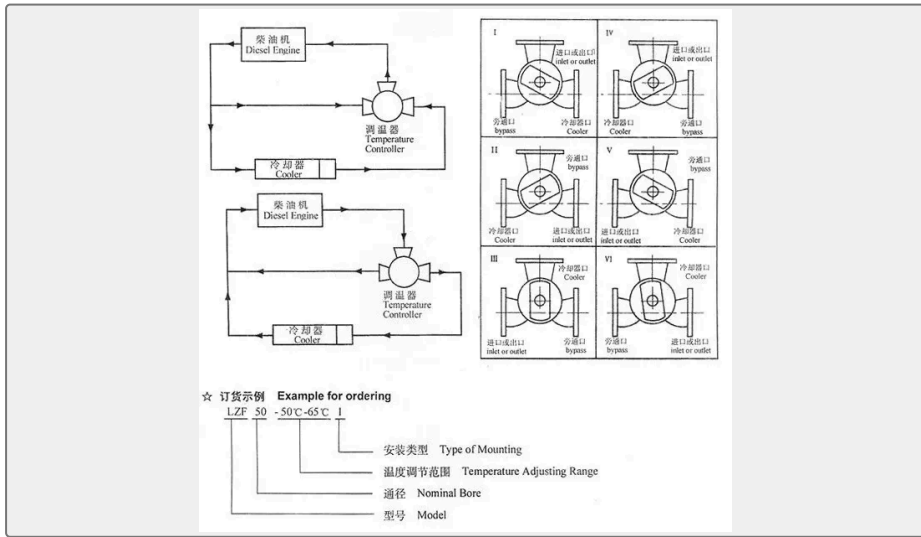
Category	Other Marine Valves & Accessories
Standard	DIN
Material	Bronze, Ductile Iron
Weight / Size	LZF---Bronze LZFT---Ductile Iron Type DN(mm) Pressure (Mpa) Suggest flow...
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.



Technical Specifications			
Category	Other Marine Valves & Accessories	Model / SKU	LZF-3-Way-Temperature-Auto-Regulating-Valve
Standard	DIN	Material	Bronze, Ductile Iron
Weight / Size	LZF---Bronze LZFT---Ductile Iron Type DN(mm) Pressure (Mpa) Suggest flow rate (m3/h) Weight(kg) LZF-40 40 0.8 Fresh water 12 ~ 24 , Lub oil 9 ~ 18 18 LZF-50 50 0.8 Fresh water 18 ~ 36 , Lub oil 13 ~ 26 19 LZFT-50 LZF-65 65 0.8 Fresh water 30 ~ 60 , Lub oil 20 ~ 40 20 LZFT-65 LZF-80 80 0.8 Fresh water 40 ~ 80 , Lub oil 30 ~ 60 22 LZFT-80 LZF-100 100 0.8 Fresh water 65 ~ 130 , Lub oil 50 ~ 100 25 LZFT-100 LZF-125 125 0.8 Fresh water 90 ~ 180 , Lub oil 70 ~ 140 32 LZFT-125 LZF-150 150 0.8 Fresh water 120 ~ 240 , Lub oil 100 ~ 200 58 LZFT-150 LZF-200 200 0.8 Fresh water 200 ~ 420 , Lub oil 150 ~ 320 62 LZFT-200 Temperature Adjust Range:	Certificate ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS	
Warranty	12 Months unless specified otherwise	Origin	China

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## Purpose:

LZF Temperature Auto Regulating Valve is called Automatic Temperature Controller, is mainly suitable for automatic temperature adjusting of fresh water system and lub oil system of marine machinery installations and also suitable for automatic temperature adjusting of cooling system & lubricating system for diesel engine, steam turbine, gas turbine and gears used onshore, promoting heat energy coefficient of utilization and economic benefits of machinery installations.

## Working Principle:

The temperature valve consists of a temperature sensor, a rotating valve, a mandril and a lever. According to the change of media's temperature, the temperature sensor controls the mandril to extend and shorten, causing the lever to drive and the valve to rotate. Together with the rotating valve, the flux that flow to the cooler and pass-by is regulated to adjust media's temperature.

When the media's temperature rises and reaches the lower limit of attemperator, the temperature sensor drives the lever and rotates the valve anticlockwise. So the pass-by pipe is closed and the cooler pipe is opened a little by little. When the media's temperature reaches the upper limit of sensor, the pass-by pipe is closed and the cooler is opened completely. It is opposite direction between rising and falling process of temperature. The action of valve's working makes the media which temperature could be adjusted in range.

## Basic Parameters:

LZF---Bronze

LZFT---Ductile Iron

Type	DN(mm)	Pressure (Mpa)	Suggest flow rate (m3/h)	Weight(kg)
LZF-40	40	0.8	Fresh water 12 ~ 24 , Lub oil 9 ~ 18	18
LZF-50	50	0.8	Fresh water 18 ~ 36 , Lub oil 13 ~ 26	19
LZFT-50				
LZF-65	65	0.8	Fresh water 30 ~ 60 , Lub oil 20 ~ 40	20
LZFT-65				
LZF-80	80	0.8	Fresh water 40 ~ 80 , Lub oil 30 ~ 60	22
LZFT-80				
LZF-100	100	0.8	Fresh water 65 ~ 130 , Lub oil 50 ~ 100	25
LZFT-100				
LZF-125	125	0.8	Fresh water 90 ~ 180 , Lub oil 70 ~ 140	32
LZFT-125				
LZF-150	150	0.8	Fresh water 120 ~ 240 , Lub oil 100 ~ 200	58
LZFT-150				
LZF-200	200	0.8	Fresh water 200 ~ 420 , Lub oil 150 ~ 320	62
LZFT-200				

## Temperature Adjust Range:

Temperature Control Range Classification	Temperature Adjusting Range
10°C Range	20 ~ 30°C , 25 ~ 35°C , 30 ~ 40°C , 35 ~ 45°C , 40 ~ 50°C , 45 ~ 55°C , 50 ~ 60°C , 55 ~ 65°C , 60 ~ 70°C , 65 ~ 75°C , 70 ~ 80°C , 75 ~ 85°C , 80 ~ 90°C , 85 ~ 95°C
15°C Range	20 ~ 35°C , 25 ~ 40°C , 30 ~ 45°C , 35 ~ 50°C , 40 ~ 55°C , 45 ~ 60°C , 50 ~ 65°C , 55 ~ 70°C , 60 ~ 75°C , 65 ~ 80°C , 70 ~ 85°C , 75 ~ 90°C , 80 ~ 95°C

According to the requirement of users, special temperature can be made