



**T-MIX**

The 3-way thermic valve T-MIX is designed to load storage tanks at solid fuel systems. Valves are available in dimensions from DN25 up to DN40 with internal thread connections.

- The valve brings a higher return temperature to the boiler; meaning increased efficiency through, reduced tar formation and a longer life for the boiler by minimizing condense of flue gases.

### OPERATION

The FIRŠT T-MIX valve typical application is in heating installation where solid fuel boiler is used to feed storage tank. The Thermic valve T-MIX will protect the boiler from low return temperatures. Valve is installed in the return line (45°C, 55°C, 65°C).

Port 1 and 3 are always open, which enables circulation in boiler as well as higher return temperature. The higher return temperatures to the boiler means reduced tar formation and minimized condense of flue gases which prevents premature corrosion of the boiler. The possibility of thermal shock due to the return of cold water from the system is also reduced. The valve can be mounted in any position.

### MAINTENANCE

Valve require no maintenance. The installation of suitable strainer is recommended.

### TECHNICAL DATA: FMV VALVES

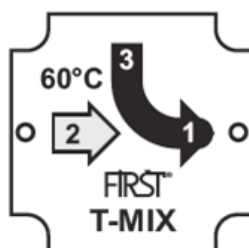
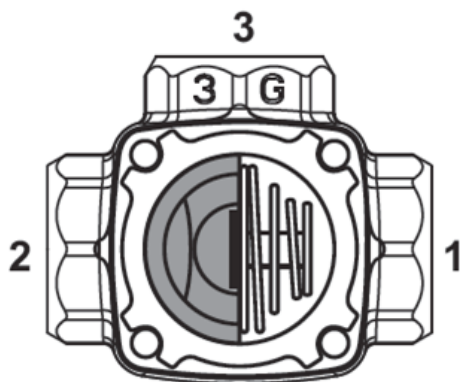
Pressure class:	PN 10
Medium:	water, glycol < 50%
Media temperature:	min. +5°C max. +110°C
Leakage ( $\Delta p=1$ bar):	max. 0,5% Kvs
Max. diff. pressure:	6 bar
Connections:	Rp internal thread (ISO 7/1)

#### Material

Valve body:	GG25 DIN 1691
Valve insert:	PPS
O-rings:	EPDM, klingerit (tesnit BA-R)

### INSTALLATION POSITIONS

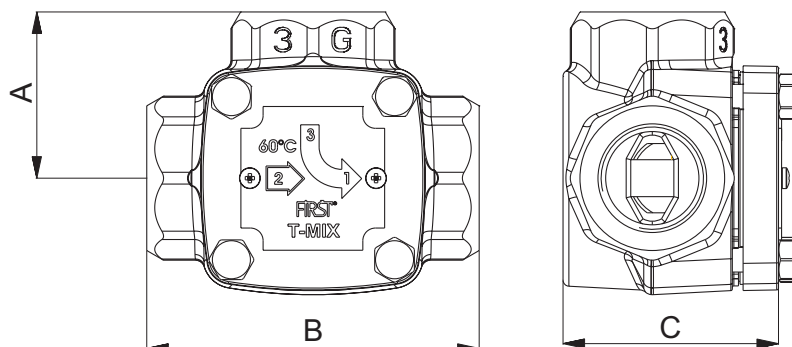
Valves are designed for use in mixing applications and can be rotated in any position.



- The valve is installed in the return line (45°C, 55°C, 65°C). Port 1 and 3 are always open, which enables circulation in boiler as well as higher return temperature.

#### T-MIX VALVE

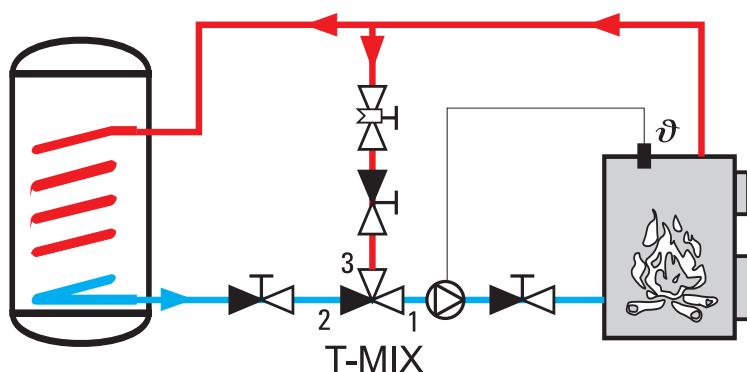
internal threads



#### T-MIX, internal threads

Code	Type	DN	Kvs	Temp.closed	Temp.open	A	B	C	Weight [kg]	Price (€)
41062	T-MIX DN25 60°C	25 - 1	9	<+60°C	<+70°C	54	108	68	1,83	
41063	T-MIX DN25 60°C	32 - 1 1/4	14	<+60°C	<+70°C	57.7	115	73	2,25	
41064	T-MIX DN25 60°C	40 - 1 1/2	17	<+60°C	<+70°C	60	120	77	2,76	
41065	T-MIX DN25 55°C	25 - 1	9	<+55°C	<+65°C	54	108	68	1,83	
41066	T-MIX DN25 55°C	32 - 1 1/4	14	<+55°C	<+65°C	57.5	115	73	2,25	
41067	T-MIX DN25 55°C	40 - 1 1/2	17	<+55°C	<+65°C	60	120	77	2,76	
41068	T-MIX DN25 45°C	25 - 1	9	<+45°C	<+55°C	54	108	68	1,83	
41069	T-MIX DN25 45°C	32 - 1 1/4	14	<+45°C	<+55°C	57.5	115	73	2,25	
41070	T-MIX DN25 45°C	40 - 1 1/2	17	<+45°C	<+55°C	60	120	77	2,76	

#### Installation examples: T-MIX VALVE



#### \*Installation instructions:

We recommend that before every connection, there is a shut-off ball valve installed for the needs of the service. For optimal performance, we recommend that a balancing valve is installed in the bypass.