

  
HRB 4 Way  
Rotary  
Flange 2  
Mixing Valve



## Contents

- [1 Danfoss HRB 4 Way Rotary Flange 2 Mixing Valve](#)
- [2 Product Usage Instructions](#)
- [3 Chart Frequency](#)
- [4 Dimension](#)
- [5 Frequently Asked Questions](#)
- [6 Documents / Resources](#)
  - [6.1 References](#)
- [7 Related Posts](#)



## Danfoss HRB 4 Way Rotary Flange 2 Mixing Valve



## Product Specifications

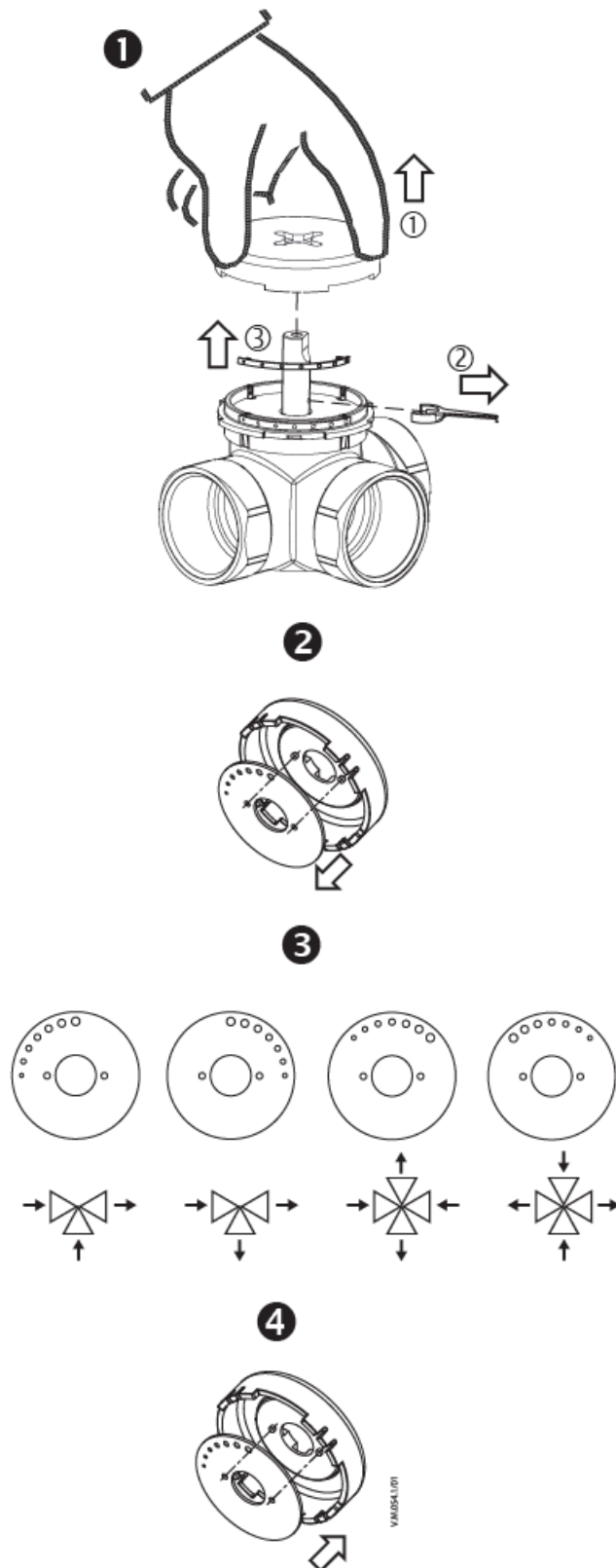
- Model: HRB, HRE, HFE
- Available Sizes: DN20-150
- Pressure Rating: PN 10 (HRB), PN 6 (HRE, HFE)
- Material: CuZn36Pb2As (HRB), EN-GJL-250 (GG-25) (HRE, HFE)

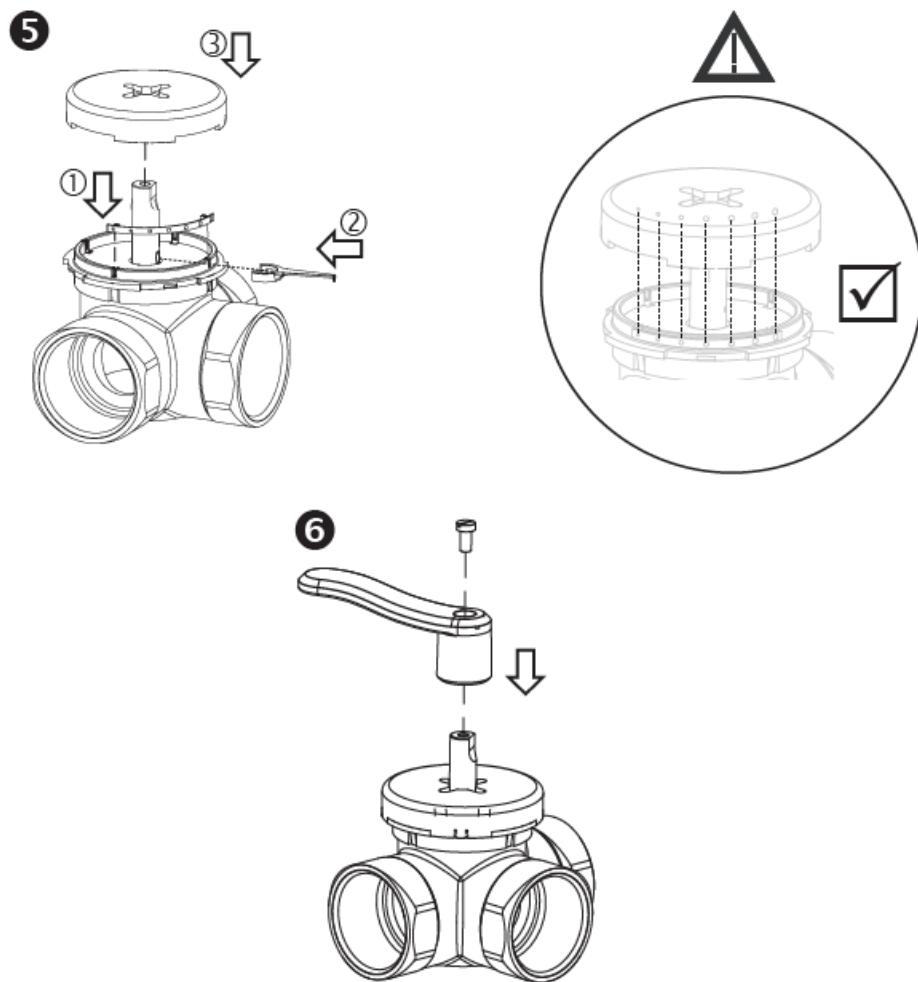
# Product Usage Instructions

## Installation

1. Choose the appropriate size based on your piping system requirements.
2. Ensure all connections are secure and leak-free.
3. Follow the provided diagrams for correct installation orientation.

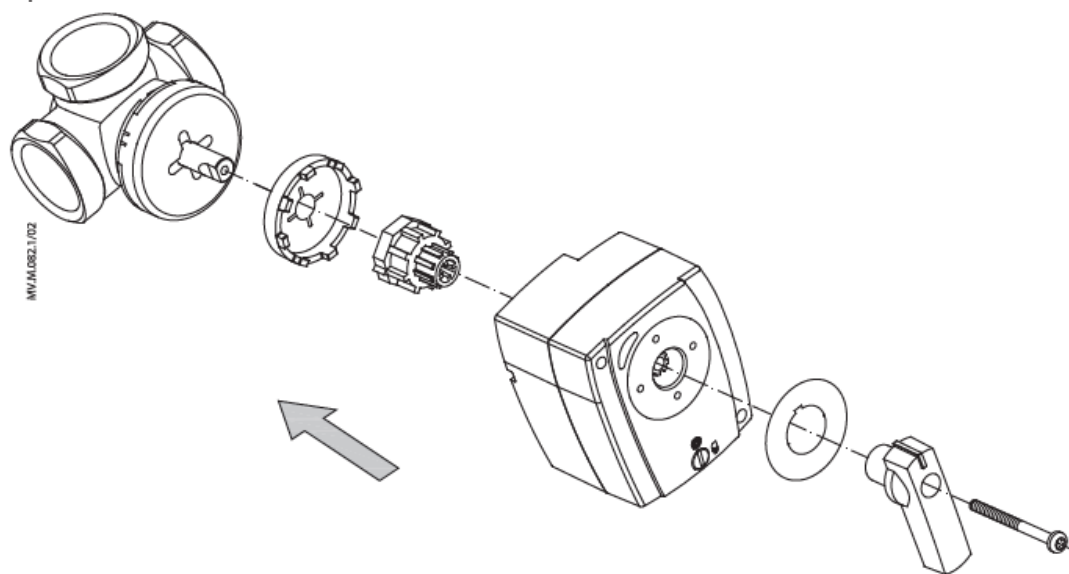
HRB, HRE



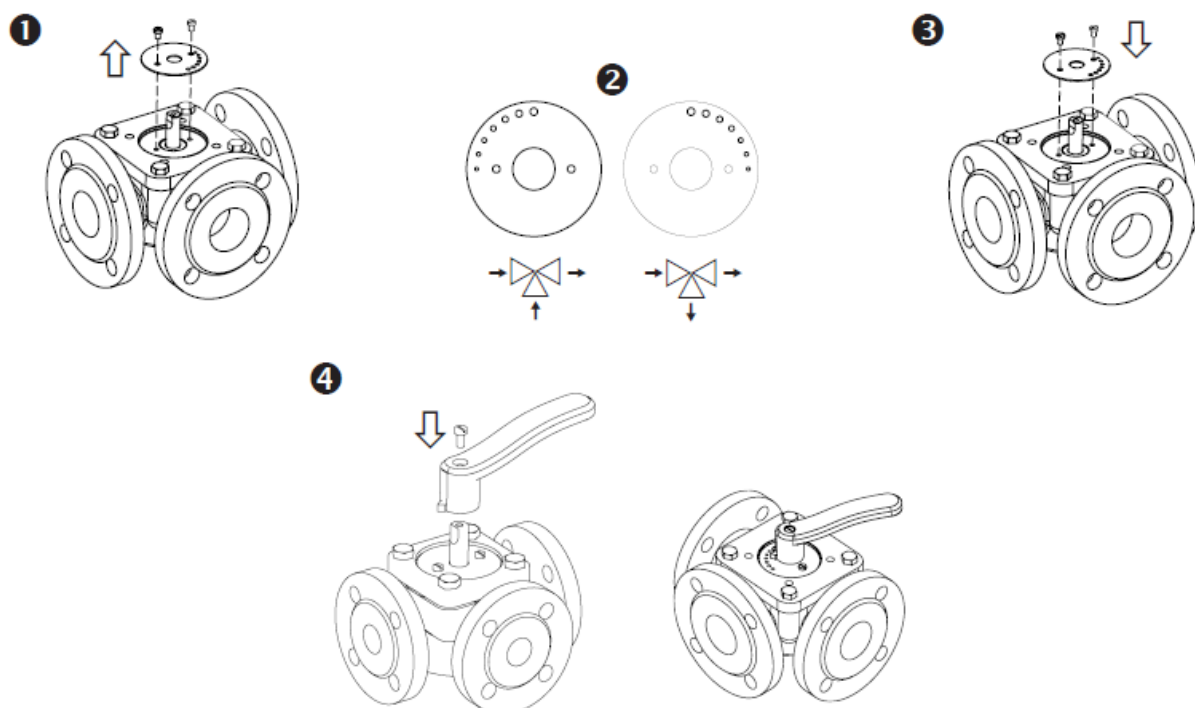


## Maintenance

1. This product is maintenance-free, requiring no regular upkeep.
2. Check for any visible damage or leaks periodically.
3. If any issues arise, contact customer support for assistance.

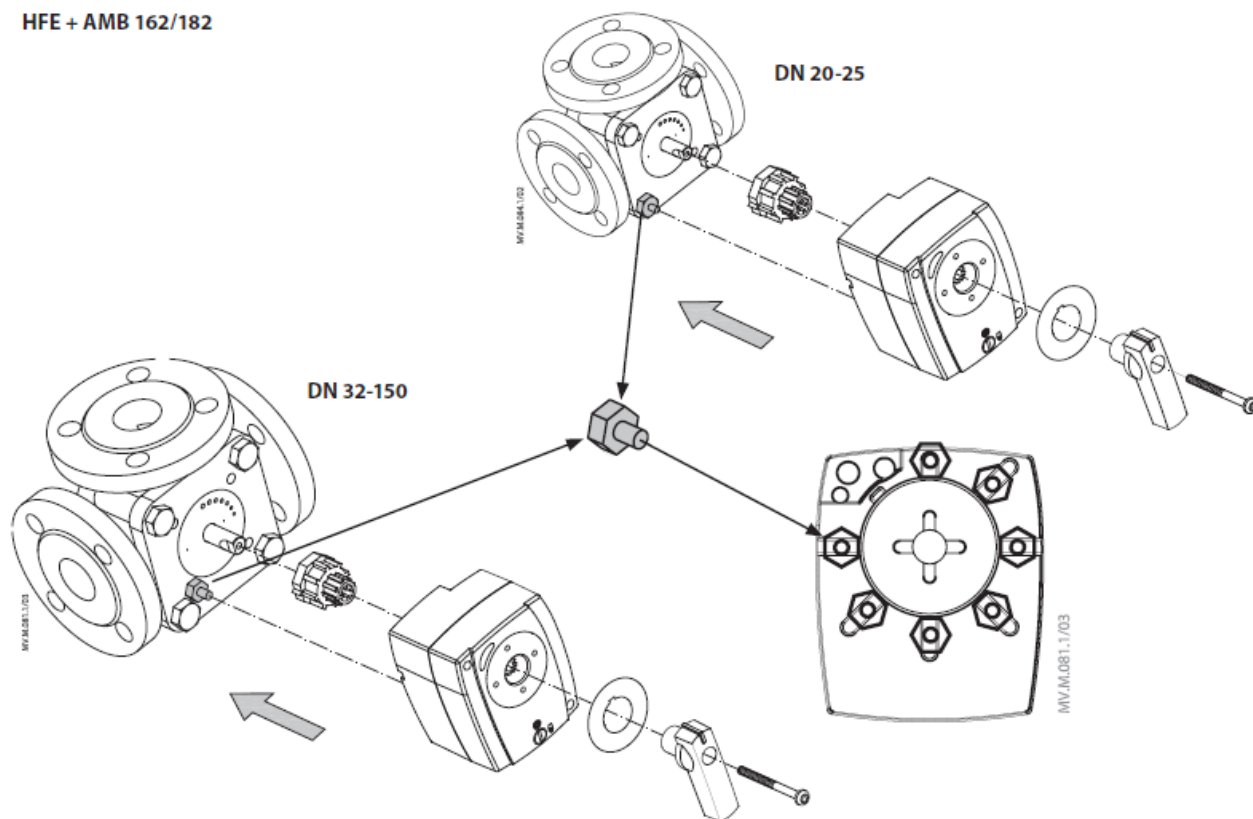


#### HFE



#### Operation

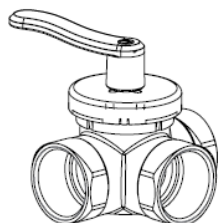
1. To operate, connect the actuator as per the provided connection guide.
2. Follow the recommended pressure ratings for optimal performance.
3. Refer to the user manual for troubleshooting tips if needed.



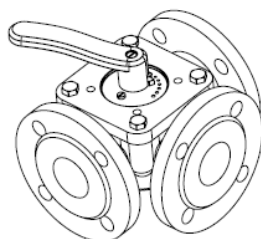
## Warning



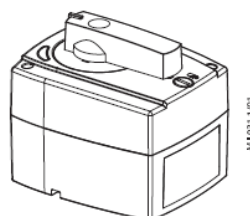
MAINTENANCE  
FREE



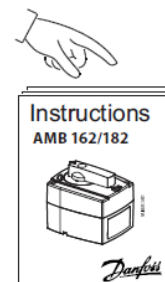
HRB 3, HRB 4 (DN 15-50)  
HRE 3, HRE 4 (DN 20-50)



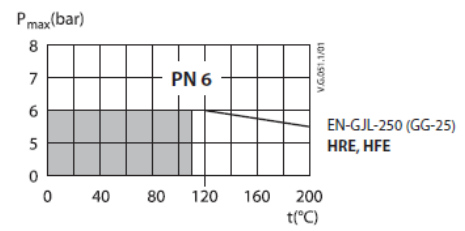
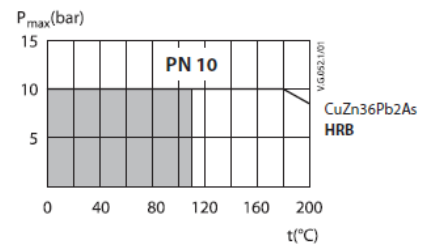
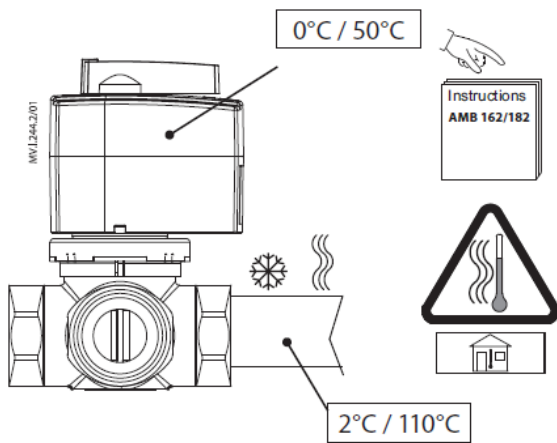
HFE 3 (DN20-150)



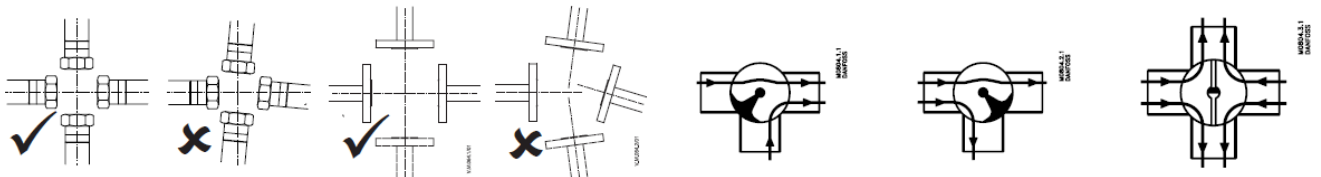
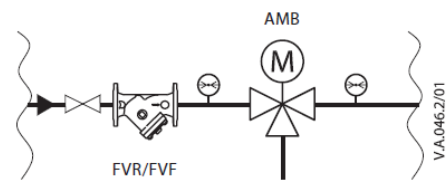
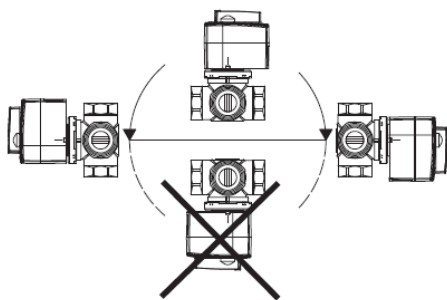
AMB 162/182



## Chart Frequency

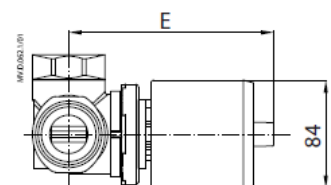
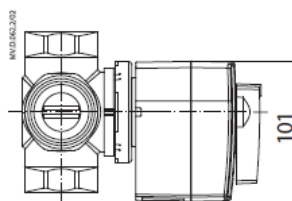
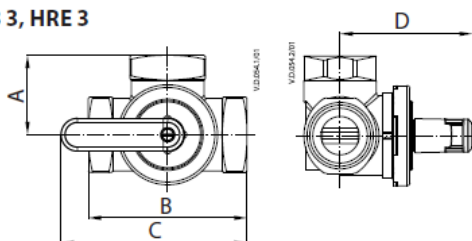


## Attention

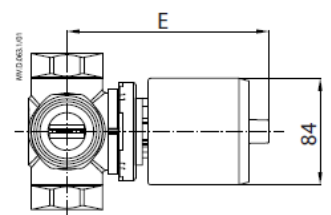
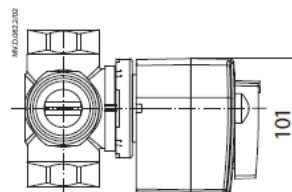
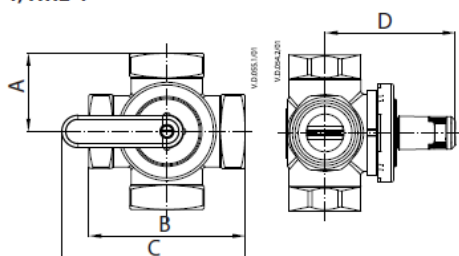


## Dimension

### HRB 3, HRE 3



### HRB 4, HRE 4



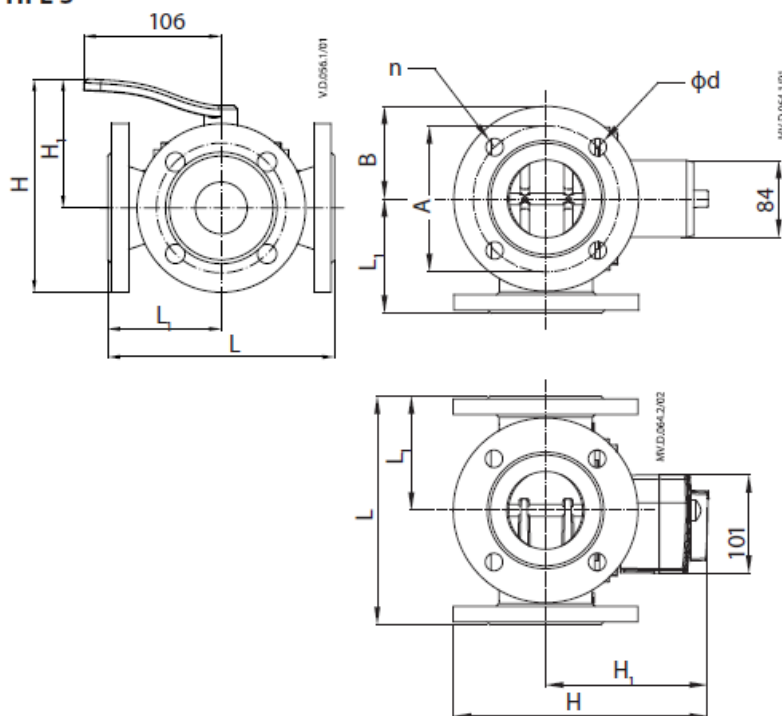
### HRB 3, HRB 4

DN	A	B	C	D	E	Connection	Actuator
	mm						
15	36	72	114	88	143	Rp 1/2"	AMB 162  AMB 182
20	36	72	114	88	143	Rp 3/4"	
25	41	82	119	92	147	Rp 1"	
32	47	94	125	97	152	Rp 1 1/4"	
40	58	116	136	97	152	Rp 1 1/2"	
50	62.5	125	140.5	103	158	Rp 2"	

### HRE 3, HRE 4

DN	A	B	C	D	E	Connection	Actuator
	mm						
20	52.5	105	130.5	88	140	Rp 3/4"	AMB 162  AMB 182
25	54	108	132	92	144	Rp 1"	
32	57.5	115	135.5	102	154	Rp 1 1/4"	
40	60	120	138	102	154	Rp 1 1/2"	
50	78	156	156	108	160	Rp 2"	

### HFE 3



### HFE 3

DN	H	H1	L	L1	B	DC	φd	n	Actuator
	mm								
20	131	140	140	70	45	65	11,5	4	AMB 162AMB 182
25	136	140	150	75	50	75	11,5	4	
32	152	146	160	80	60	90	15	4	
40	157	146	175	88	65	100	15	4	
50	171	155	195	98	70	110	15	4	
65	181	155	200	100	80	130	15	4	AMB 182
80	208	167	235	118	95	150	18	4	
100	228	177	265	133	105	170	18	4	
125	253	187	300	150	120	200	18	8	
150	271	192	350	175	133	225	18	8	

## Danfoss AIS

- Climate Solutions
- [danfoss.com](https://danfoss.com)
- +45 7488 2222

Any information, including, but not limited to information on selection Of product, its application or use, product design, weight, dimensions, capacity or any Other technical data in product manuals, catalogues descriptions, advertisements, etc. and whether made available in writing, orally, electronically, online or via download, shall be considered informative, and is only binding if and to the extent, explicit reference is made in a quotation or order confirmation. Danfoss cannot accept any responsibility for possible errors in catalogues, brochures, videos and other material. Danfoss reserves the right to alter its products without notice. This also applies to products ordered but not delivered provided that such alterations can be made without changes to form, fit or function Of the product.

All trademarks in this material are property of Danfoss A/S or Danfoss group companies. Danfoss and the Danfoss logo are trademarks of Danfoss A'S. All rights reserved.

## Frequently Asked Questions

- **Q: Is this product suitable for high-pressure systems?**
  - A: The product is rated for PN 10 (HRB) and PN 6 (HRE, HFE), so it is recommended to use within these pressure limits.
- **Q: Does the product come with an actuator?**
  - A: The actuator is not included with the product and needs to be purchased separately based on your requirements.
- **Q: Can this product be used for both residential and commercial applications?**
  - A: Yes, the product is versatile and suitable for a range of applications including residential and commercial settings.



## Documents / Resources

	<p><a href="#">Danfoss HRB 4 Way Rotary Flange 2 Mixing Valve [pdf]</a> User Guide 065B6150, HRB, HRE, HFE, HRB 4 Way Rotary Flange 2 Mixing Valve, HRB, 4 Way Rotary Flange 2 Mixing Valve, Rotary Flange 2 Mixing Valve, 2 Mixing Valve, Mixing Valve</p>
-----------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## References

- [User Manual](#)

[Manuals+.](#) [Privacy Policy](#) | [@manuals.plus](#) | [YouTube](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.