

## 11 reasons speak for the ball valve from FRAKTA



- The cutting-edge technology
- the flow
- The patented ball
- The characteristic
- The high pressures
- The range ability
- The low torque
- Modular connection system
- Low cost substantial savings
- The simple combination
- With or without spring return

## Frakta actuators for Frakta ball valves

FRAKTA



### Multifunctional actuator 24 V

- BVA5.1
- BVA10.1



### 230 V, 2-point or 3-point actuator

- BVA5.2
- BVA10.2

# Actuators with Springback for Frakta ball valves

FRAKTA

## Modulating version 24V, 0...10V

- DMF1.08N

## 230V or 24V, 2- or 3-point actuators

- DAF1.08N
- DAF2.08N
- DBF1.08N
- DBF2.08N

And all Springbacks selectable with switches



## Frakta ball valves

### The simple tip technology

- 21 designs in 2-way ball valve
- 10 models in 3-way ball valve:  
For each application the right solution
- Nominal size DN15 to DN50
- In 2-way and 3-way models
- With constant percentage characteristic  
(Characteristic integrated into the ball)
- High range ability 500: 1
- Large selection of kvs-values
- DZR brass (dezincification resistant)
- Ball made of DZR brass, chrome, polished
- Combination with actuators with / without  
spring return nominal size



# Frakta ball valve

## High flow with small sizes

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entweder

Valve



size	available kvs											
	0,4	0,63	1,0	1,6	2,5	4,0	6,3	10	16	25	40	63
DN15	2-way		3-way									
DN20	2-way		3-way									
DN25	2-way		3-way									
DN32	2-way		3-way									
DN40	2-way		3-way									
	= 2-way					= 3-way						

Ball valve



size	available kvs											
	0,4	0,63	1,0	1,6	2,5	4,0	6,3	10	16	25	40	63
DN15	2-way		3-way									
DN20	2-way		3-way									
DN25	2-way		3-way									
DN32	2-way		3-way									
DN40	2-way		3-way									
DN50	2-way		3-way									
	= 2-way					= 3-way						

# Frakta ball valves the simple combination 1

## New actuator

- 230 VAC 2-or 3-point
  - Automatic shutdown at the end positions
- 24 VAC/DC Universal Technologie
  - 0 ... 10 V modulation
  - 2- or 3-point
  - 0...10 V feedback signal
  - Running time (35,60,120s) and characteristic over coding switches manual selectable



# Frakta ball valves the simple combination 2

## New actuator

- 230 VAC or 24 VAC on 2- or 3-point
- Running time 120 s for 90° rotation
- Adjustable characteristic :
  - equal percentage, linear, quadratic, free choice
- Anti-Blocking function
  - In the end positions, after 3 days without signal changes
- 80% time savings during installation by a bayonet adaptation



## Frakta ball valves

### The combination with springbacks


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#### **DAF/DBF/DMF Springback actuators**

- 230 VAC or 24 VAC/DC in 2-or 3-point
- 24 VAC/DC continuously adjustable
  - 0...10 V modulation
  - 0...10 V feedback signal
- Running time 60 s for 90 ° rotation angle
- Spring return time is 12....27 s
- Optional selectable with 2 switches



2-Way ball valves   
 3-Way ball valves 

DN15		DN20		DN25		DN32		DN40		DN50	
1,0 m <sup>3</sup> /h		4,0 m <sup>3</sup> /h		6,3 m <sup>3</sup> /h		10 m <sup>3</sup> /h		16 m <sup>3</sup> /h		25 m <sup>3</sup> /h	
1,6 m <sup>3</sup> /h		6,3 m <sup>3</sup> /h		10 m <sup>3</sup> /h		16 m <sup>3</sup> /h		25 m <sup>3</sup> /h		40 m <sup>3</sup> /h	
2,5 m <sup>3</sup> /h		10 m <sup>3</sup> /h		16 m <sup>3</sup> /h		25 m <sup>3</sup> /h		40 m <sup>3</sup> /h		63 m <sup>3</sup> /h	
4,0 m <sup>3</sup> /h											
6,3 m <sup>3</sup> /h											
10 m <sup>3</sup> /h											

**Actuators**

BVA10.1/2/1M  
 2-Pt. 3-Pt. Mod. 0...10V  
 230 V or 24V

DAF/DBF/DMF Springback  
 2-Pt. 3-Pt. 0...10V  
 110..230 V or 24V



# Frakta ball valves

## Highlights at one view

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### **Perfect choice for a wide range of applications**

- VAV, air heaters
  - HVAC systems
  - Steam boilers, hot water storage
  - Central air conditioning
  - Refrigeration and Heating Technology
  - district heating
  - And many more
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- -OEM versions are possible
    - Installation instructions are available in five languages selectable
    - Data sheets are available in many languages you want in an editable version

For all other questions or requests, please do not hesitate to provide

# Frakta 3-Way ball valves

## Complete Overview



Typ	k <sub>vs</sub> m <sup>3</sup> /h	Closing pressures (Pmax in bar) in combination with electric actuators		
		BVA5.1/2;FBVA5.2	BVA10.1/1M/2	DAF/DBF2.08
RKDN15/3/1,6	1,6	1,8	2,0	2,0
RKDN15/3/2,5	2,5	1,8	2,0	2,0
RKDN15/3/4,0	4,0	1,8	2,0	2,0
RKDN15/3/6,3	6,3	1,8	2,0	2,0
RKDN20/3/4,0	4,0	1,8	2,0	2,0
RKDN20/3/6,3	6,3	1,8	2,0	2,0
RKDN25/3/6,3	6,3	1,8	2,0	2,0
RKDN25/3/10	10	1,8	2,0	2,0
RKDN32/3/16	16	1,2	2,0	2,0
RKDN40/3/25	25	1,2	2,0	2,0
RKDN50/3/40	40	1,2	2,0	2,0

# Frakta 2-Way ball valves

## Complete Overview



Typ	k <sub>vs</sub> m <sup>3</sup> /h	Closing pressures (Pmax in bar) in combination with electric actuators		
		BVA5.1/2;FBVA5.2	BVA10.1/1M/2	DAF/DBF2.08
RKDN15/2/1,0	1,0	1,8	3,5	3,5
RKDN15/2/1,6	1,6	1,8	3,5	3,5
RKDN15/2/2,5	2,5	1,8	3,5	3,5
RKDN15/2/4,0	4,0	1,8	3,5	3,5
RKDN15/2/6,3	6,3	1,8	3,5	3,5
RKDN15/2/10	10	1,8	3,5	3,5
RKDN20/2/4,0	4,0	1,8	3,5	3,5
RKDN20/2/6,3	6,3	1,8	3,5	3,5
RKDN20/2/10	10	1,8	3,5	3,5
RKDN25/2/6,3	6,3	1,8	3,5	3,5
RKDN25/2/10	10	1,8	3,5	3,5
RKDN25/2/16	16	1,8	3,5	3,5
RKDN32/2/16	16	1,2	2,4	2,4
RKDN40/2/25	25	1,2	2,4	2,4
RKDN50/2/40	40	1,2	2,4	2,4

FRAKTA-The clever ball valves.