EN

Valve guide

SOMAS®

During our more than 75 years in the business, we have come to realize that reliability and continuity are of great importance for customers.

This has become a natural and fundamental part of our customer relations. We tend to claim, as proof- of-concept of our policy, that we have now become the market leader in control valve development. We intend to remain so also in the future.

SOMAS®

It’s all about making the complex simple

Your process performance and reliability are important for us. The selection of valves and accessories affects business performance, efficiency, reliability and continuity. With more than 75 years within the business we have an extensive industry experience and knowledge. Our dedicated personnel and our services are there to support you.

WHEN TRUST MATTERS

For many years Somas has developed and produced valves made of stainless materials. We strive to continuously improve and develop our products in order to meet new requirements in different business areas. We see new processes medias being used, which in turn leads to new requirements in terms of materials used in our products.

WIDE RANGE OF VALVES

Thanks to our close collaboration with our customers within different business areas, we continually gather valuable experience. Our valves, actuators and accessories are suitable for most business areas. The material selection and design should meet the specific requirements set in your industry. That is what we strive for.

Ball segment valves

Ball segment valves – high capacity and linear control to maximize controllability in applications. Due to its free flow and choice of different materials for its housing and seat, the ball segment valve is usually the best control valve choice for the industry.

Butterfly valves

Butterfly valves – advanced triple eccentric design. The valves are made of high-quality stainless steel with a homogenous metal seat. One big advantage is the fact that the valve can pretty much run as intended without unplanned maintenance.

Ball valves

Ball valves – floating and trunnion design for advanced applications. Spring loaded seats for tight shut-off at low differential pressure. Somas ball valves have a cylindrical bore which contributes to the low pipe resistance. This is beneficial in applications that use abrasive media.

Tomeetourcustomers' needsforinformation, we have made our application database and Somas configuration tool available on our website.

We also want to offer all available information in the future, such as drawings, valve calculations, product documents about each individual ordered product directly from the website.

Our digital platform will be continuously developed with the customer's process and business in mind.

SOM AWARE®

SomAware®

Somas has developed several tools that make your work easier. SomAware® gives you access to our digital capability. We offer products, systems, solutions, services and a platform that allows you to know more, do more and increase your valves' performance. The platform will be continuously developed with the customer's process and business in mind. What would your valve say if it could talk?
We have the answer! The question is, are you ready to listen?

SOM SIZE®

SomSize® – Size a valve up right, save money!

Choosing the correct dimensions of a control valve is one of the key factors for achieving the best possible result when using Somas control valves. It is also important because using the right size valve can offer you the opportunity to save money.

SOM BOOK®

SomBook® – Find your application and get help

SomBook® is our application handbook that contains all our knowledge. It will help you to choose the right valves, sizes and materials to meet your needs. We share our extensive knowledge about what valves we recommend for specific applications.

SOM VERIFY®

SomVerify® – When you want to hear everything!

Make sure to listen when your valves talk! SomVerify® uses remote access technology that can save you both time and money. With the right technology, we can verify that your valves perform at their best in each application.

SOM ID®

SomId® - All the right information, in one place

Your valves are unique. Are you looking for more information about your valves? Do you need to know which spare parts to order? Enter your serial number to get all the information available at your fingertips.

High capacity, excellent tightness and free flow. These words aptly describe some of the superior features of the ball segment valve.

Somas ball segment valves have been designed to fulfil the strictest requirements of the process industry.

Due to its free flow and choice of different materials for its housing and seat, the ball segment valve is usually the best choice for the industry.

SOMAS®

Ball segment valves

Somas ball segment valves are designed to fulfil the strictest requirements of the process industry for control valves. Due to its free flow and choice of different materials, both for valve body and seat, the ball segment valve is usually the best choice for the industry.

WIDE RANGE OF VALVES

The high capacity of ball segment valves results from the design of its seat and ball segment. Compared to other valve designs, it is often possible to use smaller and more economical valve sizes. What sets Somas ball segment valves apart from many other suppliers, is that the free flow part minimizes the risk of clogging and the valve is designed to maximize controllability.

EXCELLENT TIGHTNESS

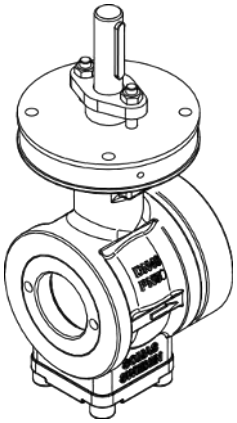
The ball segment valve is first and foremost a control valve offering excellent tightness in the closed position. The features of this valve make it useful for most applications. Combined with Somas pneumatic actuators and positioners the result is a flexible unit with a wide control range.

FACTS

- Somas ball segment valve has a high capacity, wide control range and good tightness.
- The torque transmission is free of backlash.

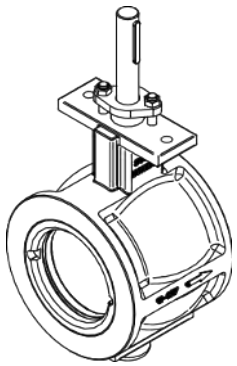
Ball segment valves

Ball segment valve, Wafer/Flanged, size DN25/2-50



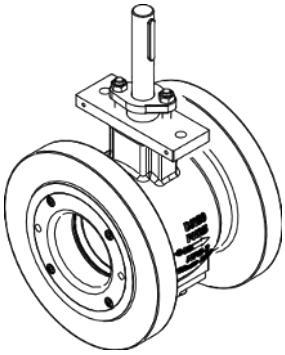
Valve type	Features	Pressure class	Size	Connection Flange					
				PN				Class	
				10	16	25	40	150	300
KVT-A	High capacity and a wide control range. Good tightness. Torque transmission free of backlash.	PN40/Class300	DN25/2-25/5	x	x	x	x		x
KVT-A		PN40/Class300	DN25/7-25/10	x	x	x	x		x
KVTW-A		PN40/Class300	DN25/15-25/20	x	x	x	x	x	x
KVTW-D		PN40/Class300	DN25/15-25/20	x	x	x	x	x	x
KVTW-A/KVXW-A		PN40/Class300	DN25-50	x	x	x	x	x	x
KVTW-D/KVXW-D		PN40/Class300	DN25-50	x	x	x	x	x	x
KVTF-L		PN40/Class300	DN25/2-50	x	x	x	x	x	x

Ball segment valve, Wafer, size DN65-250



Valve type	Features	Pressure class	Size	Connection Flange					
				PN				Class	
				10	16	25	40	150	300
KVTW-A/KVXW-A	High capacity and a wide control range. Good tightness. Torque transmission free of backlash.	PN40/Class300	DN65	x	x	x	x	x	x
KVTW-D/KVXW-D		PN40/Class300	DN65	x	x	x	x	x	x
KVTW-A/KVXW-A		PN25/Class150	DN80-250	x	x	x		x	
KVTW-D/KVXW-D		PN25/Class150	DN80-250	x	x	x		x	

Ball segment valve, Flanged, size DN80-600



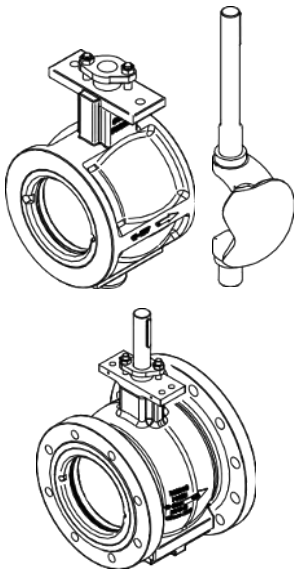
Valve type	Features	Pressure class	Size	Connection Flange					
				PN				Class	
				10	16	25	40	150	300
KVTF-B/KVXF-B	High capacity and a wide control range. Good tightness. Torque transmission free of backlash.	PN25/Class150	DN80-400	x	x	x		x	
KVTF-B/KVXF-B		PN40/Class300	DN80-250				x		x
KVTF-C/KVXF-C		PN25/Class150	DN80-400	x	x	x		x	
KVTF-B		PN25/Class150	DN500	x	x	x		x	
KVTF-B		PN16	DN600	x	x				

Design	Valve material		Seat	Seat tightness			Datasheets
				Stdandard	Option		
	Standard	Option	Alternative	EN60534-4	EN60534-4	EN12266-1	
Wafer	CF8M/1.4408	1.4409, 1.4470, 1.4469, CG8M, CK-3MCuN, CW6M (High Nickel alloy), Titanium Gr. C-2	HiCo	PTFE - Cl.V PTFE53 - Cl.V HiCo - Cl.IV-S1	PTFE - Cl.VI HiCo - Cl.V	PTFE - Rate C PTFE - Rate D PTFE53 - Rate D HiCo - Rate E HiCo - Rate F	Si-101
Wafer			PTFE, PTFE53, HiCo				
Wafer							Si-113
Wafer							Si-114
Wafer							Si-113
Wafer							Si-114
Flanged							Si-101

Design	Valve material		Seat	Seat tightness			Datasheets
				Standard	Option		
	Standard	Option	Alternative	EN60534-4	EN60534-4	EN12266-1	
Wafer	CF8M/1.4408	1.4409, 1.4470, 1.4469, CG8M, CK-3MCuN, CW6M (High Nickel Alloy), Titanium Gr C-2	PTFE, PTFE53, HiCo	PTFE - Cl.V PTFE53 - Cl.V HiCo - Cl.IV-S1	PTFE - Cl.VI HiCo - Cl.V	PTFE - Rate C PTFE - Rate D PTFE53 - Rate D HiCo - Rate E HiCo - Rate F	Si-113
Wafer							Si-114
Wafer							Si-113
Wafer							Si-114

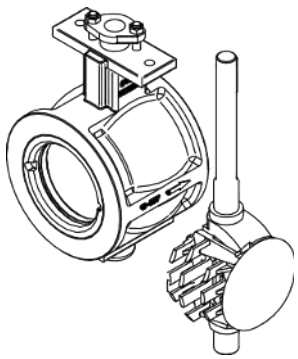
Design	Valve material		Seat	Seat tightness			Datasheets
				Standard	Option		
	Standard	Option	Alternative	EN60534-4	EN60534-4	EN12266-1	
Flanged	CF8M/1.4408	1.4409, 1.4470, 1.4469, CG8M, CK-3MCuN, CW6M (High Nickel Alloy), Titanium Gr. C-2	PTFE, PTFE53, HiCo	PTFE - Cl.V PTFE53 - Cl.V HiCo - Cl.IV-S1	PTFE - Cl.VI HiCo - Cl.V	PTFE - Rate C PTFE - Rate D PTFE53 - Rate D HiCo - Rate E HiCo - Rate F	Si-110
Flanged							Si-111
Flanged							Si-112
Flanged							Si-110
Flanged							

Ball segment valve, High Consistency Wafer/Flanged, size DN25-400



Valve type	Features	Pressure class	Size	Connection Flange					
				PN				Class	
				10	16	25	40	150	300
KVMW-A	For high consistency applications and low flow applications.	PN40/Class300	DN25-65	x	x	x	x	x	x
KVMW-D		PN40/Class300	DN25-65	x	x	x	x	x	x
KVMW-A		PN25/Class150	DN80-250	x	x	x		x	
KVMW-D		PN25/Class150	DN80-250	x	x	x		x	
KVMF-L		PN40/Class300	DN25-50	x	x	x	x	x	x
KVMF-B		PN25/Class150	DN80-400	x	x	x		x	
KVMF-B		PN40/Class300	DN80-250				x		x
KVMF-C		PN25/Class150	DN80-400	x	x	x		x	
KVMF MC-C		PN25/Class150	DN100/150			x		x	
KVMF MC-C		PN25/Class150	DN150/200-350/400	x	x	x		x	

Ball segment valve with Low Noise trim Wafer/Flanged, size DN50-400

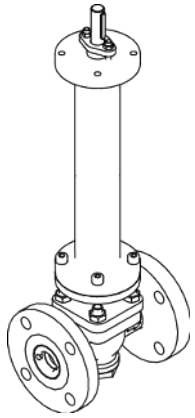


Valve type	Features	Pressure class	Size	Connection Flange					
				PN				Class	
				10	16	25	40	150	300
KVTW LN-A/KVXW LN-A	Reduces noise, prevents flashing and cavitation.	PN40/Class300	DN50	x	x	x	x	x	x
KVTW LN-D/KVXW LN-D		PN40/Class300	DN50	x	x	x	x	x	x
KVTF LN-L		PN40/Class300	DN50	x	x	x	x	x	x
KVTW LN-A/D/KVXW LN-A/D		PN40/Class300	DN65	x	x	x	x	x	x
KVTW LN-A/D/KVXW LN-A/D		PN25/Class150	DN80-250	x	x	x		x	
KVTF LN-B/KVXF LN-B		PN25/Class150	DN80-400	x	x	x		x	
KVTF LN-B/KVXF LN-B		PN40/Class300	DN80-250				x		x
KVTF LN-C/KVXF LN-C		PN25/Class150	DN80-400	x	x	x		x	

Design	Valve material		Seat	Seat tightness			Datasheets
				Standard	Option		
	Standard	Option	Alternative	EN60534-4	EN60534-4	EN12266-1	
Wafer	CF8M/1.4408	1.4409, 1.4470, 1.4469, CG8M, CK-3MCuN, CW6M (High Nickel alloy), Titanium Gr. C-2	PTFE, PTFE53, HiCo	PTFE - Cl.V PTFE53 - Cl.V HiCo - Cl.IV-S1	PTFE - Cl.VI HiCo - Cl.V	PTFE - Rate C PTFE - Rate D PTFE53 - Rate D HiCo - Rate E HiCo - Rate F	Si-113
Wafer							Si-114
Wafer							Si-113
Wafer							Si-114
Flanged							Si-101
Flanged							Si-110
Flanged							Si-111
Flanged							Si-112
Flanged							Si-112MC
Flanged							Si-112MC

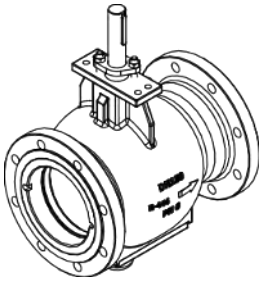
Design	Valve material		Seat	Seat tightness			Datasheets
				Standard	Option		
	Standard	Option	Alternative	EN60534-4	EN60534-4	EN12266-1	
Wafer	CF8M/1.4408		PTFE, PTFE53, HiCo	PTFE - Cl.V PTFE53 - Cl.V HiCo - Cl.IV-S1	PTFE - Cl.VI HiCo - Cl.V	PTFE - Rate C PTFE - Rate D PTFE53 - Rate D HiCo - Rate E HiCo - Rate F	Si-108
Wafer							
Flanged							
Wafer							
Wafer							
Flanged							
Flanged							
Flanged							

Ball segment valve, Low Temperature Wafer/Flanged, size DN25/2-50

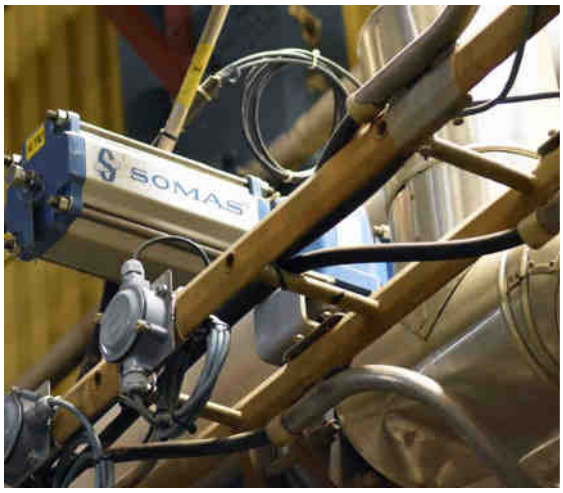


Valve type	Features	Pressure class	Size	Connection Flange					
				PN				Class	
				10	16	25	40	150	300
KVT LT-A	Designed to handle a wide range of liquids, gases and steam at temperatures down to -196° C (-320° F).	PN40	DN25/2-25/10	x	x	x	x		
KVTW LT-A		PN40/Class300	DN25/15-25/20	x	x	x	x	x	x
KVTW LT-D		PN40/Class300	DN25/15-25/20	x	x	x	x	x	x
KVTW LT-A/KVTXW LT-A		PN40/Class300	DN25-50	x	x	x	x	x	x
KVTW LT-D/KVXW LT-D		PN40/Class300	DN25-50	x	x	x	x	x	x
KVTF LT-L		PN40/Class300	DN25/2-50	x	x	x	x	x	x

Ball segment valve, Tank bottom valve Wafer/Flanged, size DN80-400



Valve type	Features	Pressure class	Size	Connection Flange					
				PN				Class	
				10	16	25	40	150	300
KVBW-A	An adaptation is made to minimize the volume between the ball segment and the tank floor plane.	PN6	80-250	- -	- -	- -	- -	- -	- -
KVBF-B		PN6	80-400	- -	- -	- -	- -	- -	- -



Design	Valve material		Seat	Seat tightness			Datasheets
				Standard	Option		
	Standard	Option	Alternative	EN60534-4	EN60534-4	EN12266-1	
Wafer	CF8M/1.4408	1.4409	HiCo	HiCo - Cl.IV-S1	HiCo - Cl.V	HiCo - Rate E, F	
Wafer			FGR PTFE (fibre glass reinforced), HiCo			PTFE - Rate C	
Wafer				PTFE - Cl.V		PTFE - Rate D	
Wafer				PTFE - Cl.V	PTFE - Cl.VI	PTFE53 - Rate D	
Wafer				PTFE - Cl.V	HiCo - Cl.V	HiCo - Rate E	
Flanged						HiCo - Rate F	

Design	Valve material		Seat	Seat tightness			Datasheets
				Standard	Option		
	Standard	Option	Alternative	EN60534-4	EN60534-4	EN12266-1	
Wafer	CF8M/1.4408		PTFE, PTFE 53	PTFE53 - Cl.V		PTFE53 - Rate D	Si-109
Flanged							

Somas butterfly valves help to control your flow. Steam, gas, water or other fluids, Somas butterfly valves can handle them all. The valves are made of high-quality stainless steel with a homogenous metal seat. They are installed by mounting between flanges.

The valves are available with wafer, with or without lugs and with flanged design.

SOMAS®

Butterfly valves

Somas butterfly valves help to adjust your flow, steam, gas, water or other fluids. The valve is suitable
for applications up to 500°C as standard. With special material (optional) the valve can withstand higher temperatures. The seat is of solid design which results in less sensitivity to high flow velocity and impurities in the media. The butterfly valve is the most cost-efficient choice for control and on/off-applications.

HOMOGENOUS METAL SEAT AS STANDARD

Our butterfly valves are made from high-grade stainless steel with a homogenous metal seat as standard. They can be installed by mounting between flanges, with or without lugs. The valves are also available with flanges.

ALMOST NO MAINTENANCE REQUIRED

Somas metal-seated butterfly valves of type VSS and MTV have an advanced triple-eccentric design. The design of the seat and the unique construction of the disc provide excellent shut-off and eliminate the need for maintenance. The high surface pressure between seat and disc makes the valve useful for pulp applications where the fibres are easily cut. The butterfly valve is the most cost-efficient choice for control and on/off-applications. The universal design allows a choice of many different materials in valve manufacture.

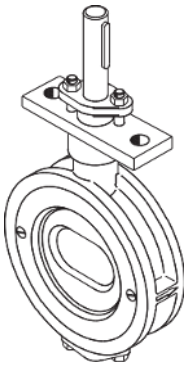
The metal seat ensures that high-velocity flow will have no effect on the tight shut-off ability of the valves and allows many years of trouble-free operation.

FACTS

- Wide range of applications up to 500°C and higher tightness.
- The solid seat design is less sensitive to high flow velocity and impurities in the media.
- Butterfly valves have an advanced triple eccentric design.
- The seat remains unaffected by high flow velocities and temperature.
- A good valve function is achieved even for difficult applications.

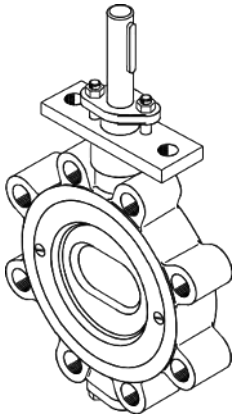
Butterfly valves

Butterfly valve, Wafer, size DN80-1200



Valve type	Features	Pressure class	Size	Connection Flange					
				PN				Class	
				10	16	25	40	150	300
MTV	Wide range of applications up to 500°C and higher. Solid seat design-less sensitive to high flow velocity and impurities in the media.	PN25/Class150	DN80-500	x	x	x		x	
VSS		PN25/Class150	DN80-800	x	x	x		x	
VSS		PN10	DN900-1200	x					
VSS		PN40/Class300	DN80-600				x		x

Butterfly valve, Lugged, size DN80-1200



Valve type	Features	Pressure class	Size	Connection Flange					
				PN				Class	
				10	16	25	40	150	300
MTVL-F	Wide range of applications up to 500°C and higher. Solid seat design less sensitive to high flow velocity and impurities in the media.	PN25/Class150	DN80-250	x	x	x		x	
MTVL-F		PN20/Class150	DN300	x	x			x	
MTVL-F		PN25/Class150	DN350	x	x	x		x	
VSSL-F		PN25/Class150	DN80-800	x	x	x		x	
VSSL-F		PN10	DN900-1000	x					
VSSL-F		PN16	DN1200	x	x				
VSSL-F		PN40/Class300	DN80-600				x		x

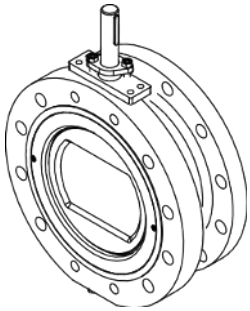
Valve type	Features	Pressure class	Size	Connection Flange					
				PN				Class	
				40	63	100	300		600
VSSL-F	Wide range of applications up to 500°C and higher. Solid seat design less sensitive to high flow velocity and impurities in the media.	PN100/Class600	DN80-600		x	x			x

Design	Valve material		Seat	Seat tightness			Datasheets
				Standard	Option		
	Standard	Option	Alternative	EN60534-4	EN60534-4	EN12266-1	
Wafer	CF8M/1.4408	1.4409, 1.4470, 1.4469, CG8M, CK-3MCuN, Titanium Gr C-2	PTFE, 1.4462/1.4470	PTFE - Cl.V Metal - Cl.V	PTFE - Cl.VI	PTFE - Rate B PTFE - Rate C Metal - Rate D	Si-205
Wafer							Si-203
Wafer							
Wafer							Si-204

Design	Valve material		Seat	Seat tightness			Datasheets
				Standard	Option		
	Standard	Option	Alternative	EN60534-4	EN60534-4	EN12266-1	
Lugged	CF8M/1.4408	1.4409 1.4470, 1.4469, CG8M, CK-3MCuN, Titanium Gr C-2	PTFE, 1.4462/1.4470	PTFE - Cl.V Metal - Cl.V	PTFE - Cl.VI	PTFE - Rate B PTFE - Rate C Metal - Rate D	Si-205
Lugged							
Lugged							
Lugged							Si-203
Lugged							
Lugged							
Lugged							Si-204

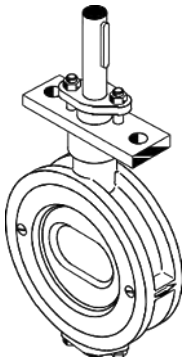
Design	Valve material		Seat	Seat tightness			Datasheets
				Standard	Option		
	Standard	Option	Alternative	EN60534-4	EN60534-4	EN12266-1	
Single flange/ Lugged	CF8M/1.4408		1.4462, 1.4835	PTFE - Cl.V Metal - Cl.V	PTFE - Cl.VI	PTFE - Rate B PTFE - Rate C Metal - Rate D	Si-209

Butterfly valve, Double flanged, size DN80-1200



Valve type	Features	Pressure class	Size	Connection Flange					
				PN				Class	
				10	16	25	40	150	300
MTVF-L	Wide range of applications up to 500°C and higher. Solid seat design- less sensitive to high flow velocity and impurities in the media.	PN25/Class150	DN80-500	x	x	x		x	
VSSF-L		PN40/Class300	DN80-250				x		x

Butterfly valve, Wafer/Lugged, size DN80-350
Marine application



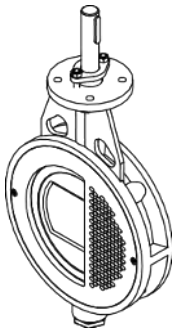
Valve type	Features	Pressure class	Size	Connection Flange					
				PN				Class	
				10	16	25	40	150	300
MTVC	The 3-piece seat remains unaffected by high flow velocities and temperature. A good valve function is achieved even for difficult applications.	PN25/Class150	DN80-350	x	x	x		x	
MTVCL		PN20*/Class150	DN80-250	x	x	x		x	
MTVCL		Class150	DN300	x	x	x			
MTVCL		PN25/Class150	DN350	x	x	x		x	

* ISO 7005-1

Design	Valve material		Seat	Seat tightness			Datasheets
				Standard	Option		
	Standard	Option	Alternative	EN60534-4	EN60534-4	EN12266-1	
Flanged	CF8M/1.4408	1.4409, 1.4470, 1.4469, CG8M, CK3MCuN, Titanium Gr C-2	PTFE, 1.4462/1.4470	PTFE - Cl.V Metal - Cl.V	PTFE - Cl.VI	PTFE - Rate B PTFE - Rate C Metal - Rate D	Si-205
Flanged							Si-204

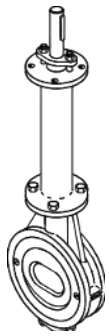
Design	Valve material		Seat	Seat tightness			Datasheets
				Standard	Option		
	Standard	Option	Alternative	EN60534-4	EN60534-4	EN12266-1	
Wafer	CF8M/1.4408		PTFE	PTFE - Cl.V Metal - Cl.V	PTFE - Cl.VI	PTFE - Rate B PTFE - Rate C Metal - Rate D	Si-206
Lugged							
Lugged							
Lugged							

Butterfly valve, Low noise, Wafer, size DN80-600



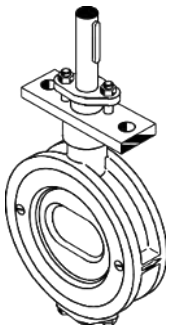
Valve type	Features	Pressure class	Size	Connection Flange					
				PN				Class	
				10	16	25	40	150	300
VSS LN-A	Noise reduction.	PN25/Class150	DN80-600	x	x	x		x	
VSS LN-F		PN25/Class150	DN80-600	x	x	x		x	

Butterfly valve, Low temperature Wafer/Lugged, size DN80-500



Valve type	Features	Pressure class	Size	Connection Flange					
				PN				Class	
				10	16	25	40	150	300
VSS LT	Designed to handle a wide range of liquids, gases and steam at temperatures down to -196° C (-320° F).	PN25/Class150	DN80-500	x	x	x		x	
VSS LT-F		PN25/Class150	DN80-300	x	x	x		x	

Butterfly valve, Fire Safe, size DN100-350 Wafer/Lugged/Double flanged/Guide hole

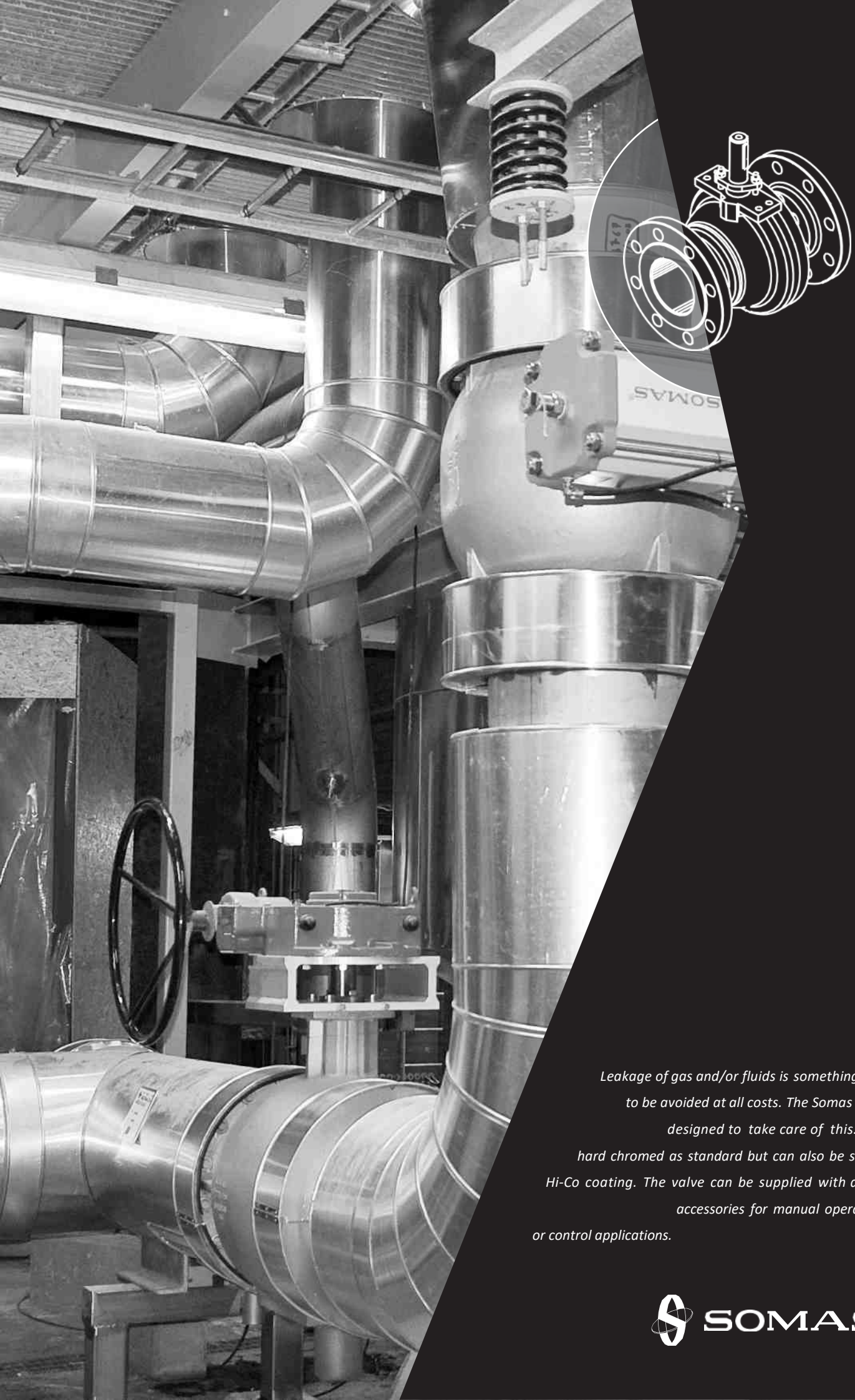


Valve type	Features	Pressure class	Size	Connection Flange					
				PN				Class	
				10	16	25	40	150	300
FSVW	Unique design of the disc which enables the use of a PTFE seat with a backup seat in nickel alloy.	PN25/Class150	DN100-350	x	x	x		x	
FSVG		PN25/Class150	DN100-350	x	x	x		x	
FSVL		PN25/Class150	DN100-350	x	x	x		x	
FSVF		PN25/Class150	DN100-350	x	x	x		x	

Design	Valve material		Seat	Seat tightness			Datasheets
				Standard	Option		
	Standard	Option	Alternative	EN60534-4	EN60534-4	EN12266-1	
Wafer			PTFE	PTFE - Cl.V		PTFE - Rate B	Si-211
Lugged						Metal - Rate D	

Design	Valve material		Seat	Seat tightness			Datasheets
				Standard	Option		
	Standard	Option	Alternative	EN60534-4	EN60534-4	EN12266-1	
Wafer	CF8M/1.4408	1.4409	PTFE fibre glass 15%, 1.4462/1.4470	PTFE - Cl.V Metal - Cl.V	PTFE - Cl.VI	PTFE - Rate C	Si-210
Lugged						Metal - Rate D	

Design	Valve material		Seat	Seat tightness MTV/VSS			Datasheets
				Standard	Option		
	Standard	Option	Alternative	EN60534-4	EN60534-4	EN12266-1	
Wafer	CF8M/1.4408	22Cr Duplex/1.4470, 25Cr Duplex/1.4469, 6Mo/CK-3MCuN, Titanium Gr C-2	PTFE, 1.4462	PTFE - Cl.V (FSV) Metal - Cl.V (VSS)	PTFE - Cl.VI (FSV)	PTFE - Rate C (FSV) Metal - Rate B (FSV) Metal - Rate D (VSS)	Si-202
Guide hole							
Lugged							
Flanged							



Leakage of gas and/or fluids is something that needs to be avoided at all costs. The Somas ball valve is designed to take care of this. The ball is hard chromed as standard but can also be supplied with Hi-Co coating. The valve can be supplied with actuator and accessories for manual operation, on/off or control applications.

SOMAS®

Ball valves

The Somas ball valve is designed for on/off-applications.
The valve is a full-bore, flanged ball valve with cylindrical bore.
It is made from stainless steel with spring-loaded seats for good tightness, even at low differential pressure.

The ball is hard chromed as standard but can also be supplied with HiCo-coating. The valve can be supplied with an actuator and accessories for manual operation, on/off or control applications.

DESIGN FOR PROCESS INDUSTRY

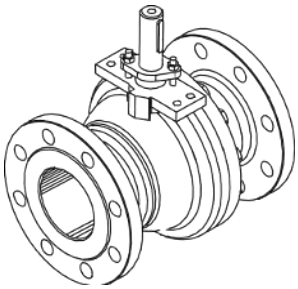
Somas ball valves of type SKV and SKVT are designed to meet the requirements of the process industry. The valves can be used for shut-off as well as control applications within a wide temperature range. Another advantage is that the valve seats can be replaced without removing the actuator.

FACTS

- Somas ball valves have a floating or trunnion design for advanced applications.
- The full-bore design gives high capacity.
- It has an excellent tightness at low differential pressure due to the spring-loaded seats.

Ball valves

Ball valve, Flanged, Floating ball, size DN25-400



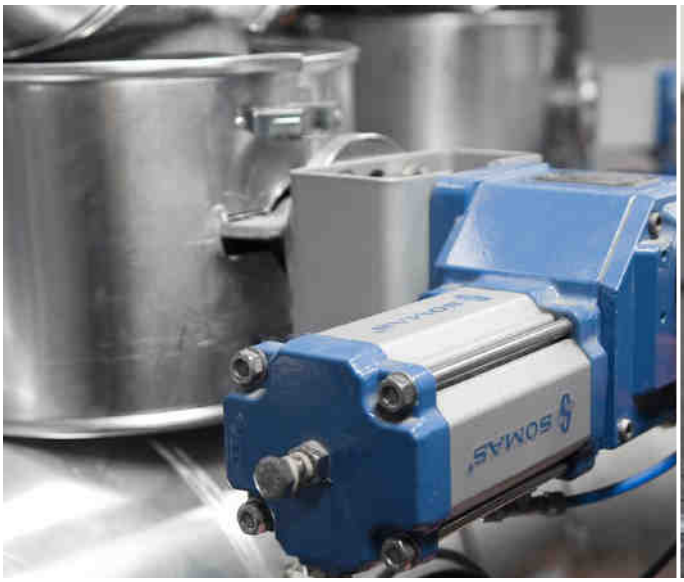
Valve type	Features	Pressure class	Size	Connection Flange					
				PN				Class	
				10	16	25	40	150	300
SKV	Spring loaded seats for tight shut-off at low differential pressure, floating ball.	PN40/Class300	DN25-50	x	x	x	x	x	x
SKV		PN25/Class150	DN80-400	x	x	x		x	

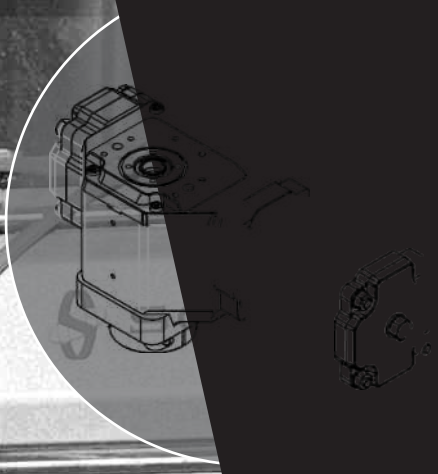
Ball valve, Flanged, Trunnion, size DN450-500

Valve type	Features	Pressure class	Size	Connection Flange					
				PN				Class	
				10	16	25	40	150	300
SKVT	Trunnion supported ball.	PN25/Class150	DN450-500	x	x	x		x	

Design	Valve material		Seat	Seat tightness			Datasheets
				Standard	Option		
	Standard	Option	Alternative	EN60534-4	EN60534-4	EN12266-1	
Flanged	CF8M/1.4408	1.4470	PTFE53, HiCo	PTFE53 - Cl.V HiCo - Cl.IV-S1	PTFE53 - Cl.VI HiCo - Cl.V	PTFE53 - Rate C PTFE53 - Rate D HiCo - Rate F HiCo - Rate E	Si-706
Flanged							

Design	Valve material		Seat	Seat tightness			Datasheets
				Standard	Option		
	Standard	Option	Alternative	EN60534-4	EN60534-4	EN12266-1	
Flanged	CF8M/1.4408	1.4470	PTFE53, HiCo	PTFE53 - Cl.V HiCo - Cl.IV-S1	PTFE53 - Cl.VI HiCo - Cl.V	PTFE53 - Rate C PTFE53 - Rate D HiCo - Rate F HiCo - Rate E	Si-706





Somas actuators can be fitted with all necessary accessories to achieve the desired functionality. But if you can't find what you are looking for in the Somas product range, we can also deliver accessories from other well-known manufacturers in accordance with your request.

Actuators

Somas actuators have been engineered to meet the process industry requirements for reliability and accuracy for control applications. The actuators are designed for use with Somas valves but can easily be installed on quarter-turn valves of other brands with the Somas standardised connection between valve and accessories.

OPTIMAL FUNCTION IN APPLICATIONS

The actuators have a torque curve corresponding to the torque demand for ball segment, butterfly, and ball valves. Low-friction seals allow a low starting torque for optimal function in control and on/off applications.

The type A pneumatic actuators are specifically made to fit the Somas range of valves. They can also be used with most 90° rotary valves. The A-DA actuator is double-acting spring return and the A-SC and A-SO actuators are single-acting spring return for fail-safe operation.

Single-cylinder or dual-cylinder units are used depending on the required torque and air supply pressure. The Single-acting actuators are optimised according to compact dimensions.

PATENDED SOLUTION

Somas offers a patented backlash-free transmission friction coupling (valid for D≤50) to optimize control performance and eliminate backlash. The actuators are designed to adapt to valves and accessories according to ISO 5211 and VDI/VDE 3845 standards.

FACTS

- Low weight, aluminium housing.
- Pressure range 4-5.5 bar (working pressure), maximum 8 bar pressure.
- Backlash-free
- Standardized mountings according to ISO 5211 and VDI/VDE 3845.

Our experiences have taught us which products complement our accessories, and our actuators are no exception. With the right accessories, you can easily complement the functions of our actuators and achieve a product that is truly extraordinary.

By equipping the actuator with various accessories, it can be used for both control applications as well as strictly on/off applications.

SOMAS®

Positioners and accessories

Somas offers a wide range of technology from pneumatic to advanced digital valve positioners from various suppliers. For on-off applications we also offer a wide range of accessories from analogue to digital with various communications protocols.

WIDE RANGE FOR OPTIMAL FUNCTION

It should be possible to control a factory facility, day in and day out. Somas offers modern and sustainable installations. Regardless if you need a safety, control or on/off function we will help you to choose the right solution for your application. With a wide product range and employees with extensive experience in the industry, we can offer solutions for all needs.

FACTS

- HART, Wireless HART
- ASi
- I/O Link
- Profibus
- Fieldbus Foundation
- SIL and safety applications
- Explosive areas

Somas sells and develops products that help decrease the impact our customers have on the environment. Our products are designed for different applications within different business areas, where our sustainable solutions make a positive contribution.

Our ambition is to continuously improve to make sure we act responsibly during the entire process. We think the key is to meet the demands and needs of today without compromising the ability of the next generation to do the same.

SOMAS®

Sustainability

Reliability and continuity are key factors at Somas as well as customer satisfaction. Whether we are talking about how we serve our customers, solutions or the products, it's all about quality and sustainability. To guarantee that our products meet our customers' expectations, we control our quality assurance process very rigorously. Our values, code of conduct and policies, as well as our operations strategy, lay the foundation for sustainable results at Somas. We think the key is to meet the demands and needs of today without compromising the ability of the next generation to do the same.

CERTIFICATES AND APPROVALS

Somas is certified in accordance with:

- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018
- PED 2014/68/EU - The values comply with the requirements of the directive in accordance with module H

Somas products can be delivered with/in accordance with:

- ATEX approval in accordance with ATEX directive 2014/34/EU.
- Directive 2006/42/EC – Machinery, as partly completed machines followed by a declaration of incorporation.
- Fire-safe certified according to ISO 10497/API 607
- REACH requirements

Additional approvals can be provided on request.

UN GLOBAL COMPACT

Since 2020 Somas has been committed to the UN Global Compact corporate responsibility initiative and its principles in the areas of human rights, labour, the environment and anti-corruption.

FACTS

- Somas is committed to managing and developing its business in a sustainable and responsible manner.
- A good balance between our financial, environmental and social responsibilities is necessary for sustainable business and benefits our stakeholders.
- Sustainability issues are taken into consideration throughout our value chain, and we expect our suppliers and contractors to do likewise.

Somas.se

LinkedIn

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