

ECS Spherical Segment Shutoff Valve | BSA

The Spherical Segment Shutoff Valve, abbreviated in Dutch to BSA is a product which ECS van Vught has been supplying for more than 25 years. This tried and tested design is a reliable and solid shutoff valve. The standard version is primarily employed in powder and granulate products, in a wide range of sectors. The passage for which the BSAs from ECS are supplied ranges from 4" to 14". Specific advantages are:

- In the "open" position, the spherical segment is entirely withdrawn from the product flow, permitting unreduced passage and hence optimum through flow.
- Minimal wear and contamination of sealing surfaces.
- Thanks to a solid, smart design, this shutoff valve offers an extremely long service life.
- During closure, the spherical segment is as it were rotated by the product flow itself, and forced against a plastic seat.
- During switching, the spherical segment is as it were "released" from the seat, as a result generating no friction resistance. As a consequence, this valve can be opened and closed very rapidly, at high frequency.
- The spherical segment rotates in a "closed" housing. In other words, there is no soiling or leakage outside.
- This very solid shutoff valve is manufactured entirely to customer specifications.



Applications:

- air transport
- dosing systems
- filling systems
- raw material delivery
- silo/tank shutoff valve

Material specification:

- Flanges: steel
- Spherical segment: stainless steel hard-Cr
- Housing: stainless steel 304
- Seat: polyurethane

Special versions:

- Components, materials to customer specification
- Assembly via rapid-action coupling; "ECS-Vgrip"
- Position indication on the shaft
- Proportional control
- Seal on O-ring up to 8 Bar.

Type:	passage [mm]	pipe connection size	flange connection size	height [mm]	pipe size for housing	comment
BSA 150 – 100	96	4"	6" - 150lbs	250	6" - 10Sch	
BSA 250 – 160	160	6"	10" - 150lbs	250	10" - 10Sch	
BSA 300 – 200	200	8"	12" - 150lbs	300	12" - 10Sch	
BSA 400 – 250	254	10"	16" - 150lbs	350	16" - 10Sch	
Speciale maat						Op aanvraag

Ask for more information for your application!

