

Technology and Applications.

Series	Connection	Size	Working pressure	Pilot pressure	Body material	Actuator material
			[bar]	[bar]		
82180/82280	G	G 1/2 - G 2	0 - 10/16/25	3.5 - 8	gunmetal	stainless steel
82190/82290	NPT	G 1/2 - G 2	0 - 10/16/25	3.5 - 8	gunmetal	stainless steel
82380/82480	G	G 1/2 - G 2	0 - 10/16/25/40	3.5 - 8	stainless steel	stainless steel
82390/82490	NPT	G 1/2 - G 2	0 - 10/16/25/40	3.5 - 8	stainless steel	stainless steel
82580*	G	G 1/2 - G 2	0 - 10	5.5 - 8	gunmetal	stainless steel
83230	G	G 1/2 - G 3	0 - 10	4.0 - 10	gunmetal	aluminium
84500	G	G 1/2 - G 2	0 - 10	3.5 - 10	gunmetal	polymer
84510	NPT	G 1/2 - G 2	0 - 10	3.5 - 10	gunmetal	polymer
84520	G	G 1/2 - G 2	0 - 10	3.5 - 10	stainless steel	polymer
84530	NPT	G 1/2 - G 2	0 - 10	3.5 - 10	stainless steel	polymer
84580/84880	DIN**	DN 15 - DN 50	0 - 10	3.5 - 8	stainless steel	stainless steel
84590/84890	ISO**	DN 15 - DN 50	0 - 10	3.5 - 8	stainless steel	stainless steel

* German DVGW certification body
 ** Valves with welding spigots

Applications:

-  Sewage treatment
-  Metering
-  Hot water and steam control systems
-  Industrial washing machines
-  Petrochemicals industry
-  Pneumatic conveyor systems
-  Dust filter systems
-  Metering of water in concrete mixing plants

Example:

Gunmetal 84500 series valves with threaded connections used for metering. Spring return normally closed function.

Features:

Angle seat design; good K_v value (m^3/h)
 Suitable for contaminated fluids
 Seat valve pressure actuated by external fluid

Advantages and benefits:

High flow rate
 Damped closing (against flow)

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The **Buschjost** Angle Seat Valves.



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Valve Technology and Systems



Our Know-how at Your Disposal.

NAMUR interface
 – with adapter plate available as accessory

Simple conversion without tools
 – normally open (NO)
 – double acting (DA)

Excellent external sealing
 – self-adjusting FPM and PTFE seal packing

Seal packing suitable for up to 90% vacuum

Seat seal
 – moving disc with PTFE seal
 – extremely resistant to aggressive fluids and high temperatures

Damped closing (Anti water hammer)
 – The fluid passes under the disc

High flow rate
 – achieved through angle seat body

Electric position indicator with two switches available as accessory

Position indication
 – visual position indicator standard

Long service life
 – one piece stem
 – widely spaced guides

Flexible positioning
 – actuator can be turned to any angle

Dirt-repellent surfaces
 – compact, smooth actuator
 – high-quality metal construction

Types of connection
 – BSP
 – NPT
 – DIN/ISO welding spigots

Typical applications
 – neutrals gases and liquids from 10 to 40 bar
 – water and steam up to +200 °C
 – aggressive fluids up to 25 bar
 – viscosity 600 mm²/s

Accessories
 – Elektric position indication
 – NAMUR pilot connection
 – Closing with flow
 – Water actuation
 – Stroke limiting (adjustable flow)

Pilot valve mounted on main valve



3/2 valve standard



3/2 or 5/2 flange mounting valves, NAMUR interface



3/2 valve for hazardous areas

