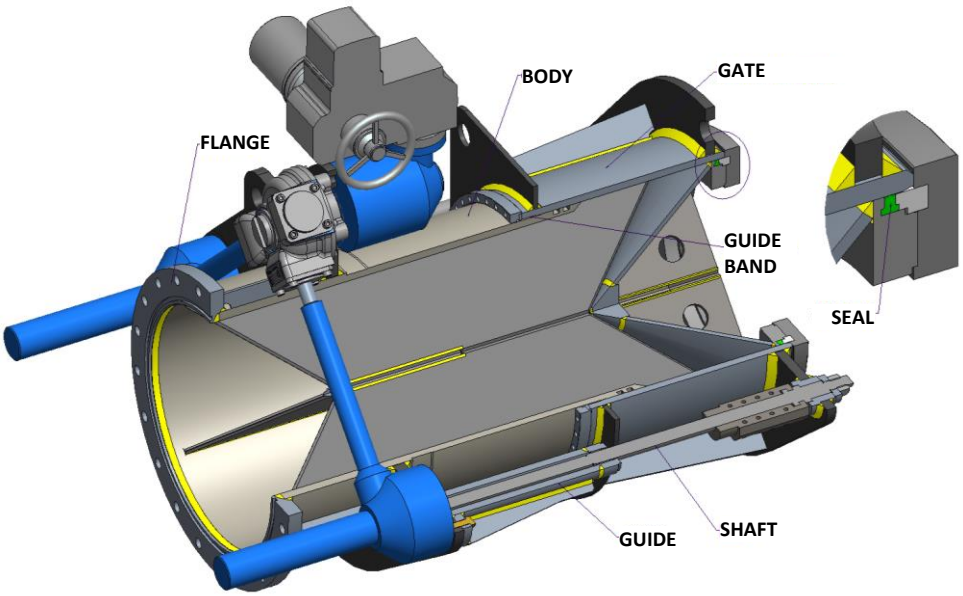
TECHNICAL DATA SHEET – HOLLOW JET VALVE

FEATURES
Compact fully stainless steel welded body, with bolted flange
Fully stainless steel movable gate (metal-to-rubber sealing)
Bronze guide band with PTFE (Teflon) coating and dual low-friction seals
Linear position indicator and mechanical end-of-stroke stop
Stainless steel shafts and guides with gear reducer

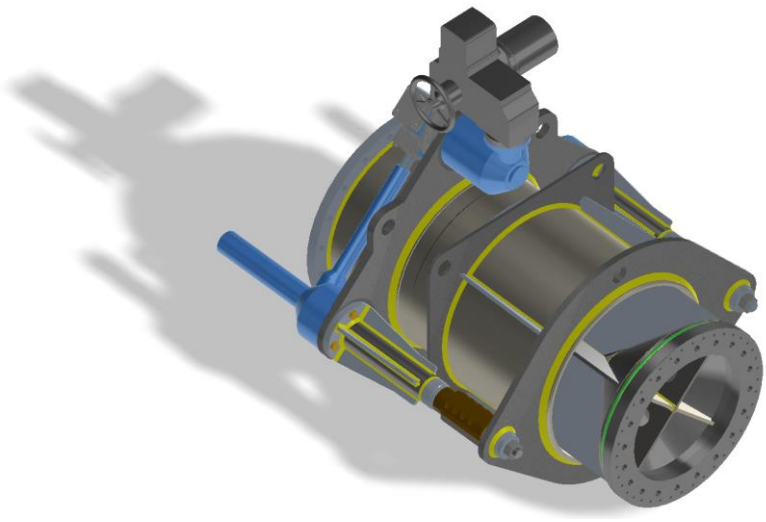
OPTIONS
Jet cone with air inlets
Base frame and anchor system
Connection spool
Carbon steel with stainless steel-bronze guides
Independent concrete-embedded jet cone



COMPONENTS	
DENOMINATION	**MATERIAL (x)**
BODY	AISI 304L
GATE	AISI 304L
FLANGES	AISI 304
GUIDES	AISI 304L
SHAFT	AISI 431
GUIDE BAND	PTFE - Br
SEALS / GASKETS	POLYURETHANE / NBR
(x) Other materials available on request	

AUXILIARY SYSTEMS
Hydraulic Power Unit
Local Control Panel

ACTUATION: OPENING UNDER LOAD OR BALANCED / CLOSING BY FLOW INTERRUPTION
Electromechanical actuator with 4–20 mA output and manual option
Double-acting hydraulic servomotor
Manual gear reducer



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VALVE CHECKING	
DENOMINATION	**MATERIAL INSPECTION**
BODY	PT / VI / RT
GATE	PT / VI / RT
FLANGES	CT / TT / IT / UT
GUIDES	CT / TT
SHAFT	CT / TT / IT

UT: Ultrasonic Test / **CT:** Chemical Test / **TT:** Tensile Test / **IT:** Impact Test / **PT:** Penetrant Test / **VI:** Visual Inspection / **RT:** Radiography Test. All tests according to EN 10204-3.1 certification

TESTS			
FINAL TESTS	**PRESSURE**	**DURATION**	**VALIDATION**
HYDROSTATIC PRESSURE TEST	PN x 1,5 According to **EN 12266**	30 min.	One blind flange US, valve in closed position
SEAT TIGHTNESS TEST	PN x 1,1 According to **EN 12266**	30 min.	One blind flange US, valve in closed position
FUNCTIONAL TEST (ELECTRIC ACTUATOR)	Manual operation		Operate the valve 3 times with continuous movement and no stops. Verify stroke and opening/closing time
DIMENSIONAL INSPECTION	IMS Standard		According to drawing and inspection protocol.
VISUAL INSPECTION	IMS Standard		Check final surface and blasted areas

US: Upstream / **DS:** Downstream

PAINTING AND FINISHING (CARBON STEEL OPTION)			
SURFACE PREPARATION ACCORDING TO ISO 8501-1	**PROCEDURE**	**COATS**	**COLOR**
WATER CONTACT SURFACES	Polyamide primer + Polyamide top coat reinforced with fiberglass	30 µm + 250 µm	BLACK RAL - 9005
AIR CONTACT SURFACES	Polyamide primer + Polyurethane top coat	30 µm + 70 µm	BLUE RAL – 5015
OIL CONTACT SURFACES	Polyamide primer + Polyamide top coat	30 µm + 30 µm	WHITE
MACHINED SURFACES	TEMPORARY PROTECTION	20 µm	TECTYL-506

SIZE AND PRESSURE RANGE	
ND 200 – ND 3000	**NP 2 – NP 40**
OTHER SIZES AND PRESSURES RATINGS AVAILABLE ON REQUEST	
DESIGN CAN BE ADAPTED TO ANY ND AND NP VALUE	

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