



HORIZON INTEGRITY

Horizon Integrity International Trade Co., Ltd.

HI-ITRADE NOZZLE

200bar Pneumatic 3D Nozzle

PNEUMATIC ROTATING CLEANING NOZZLE

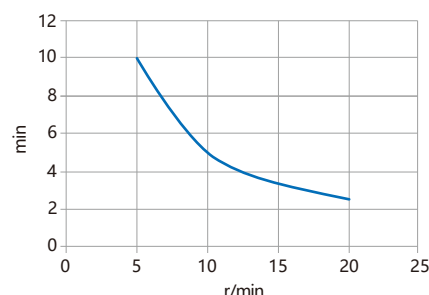
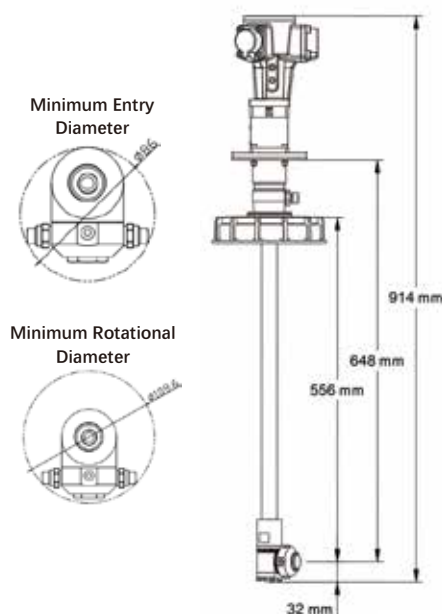


Fig.1. Rotating Speed-Time

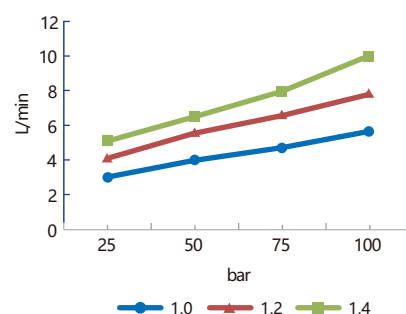


Fig.2. Single Nozzle Pressure-Flow

ABOUT

- This pneumatic rotary cleaning nozzle speeds up with rising air pressure, working steadily regardless of water temperature.
- It thoroughly cleans tank and barrel interiors with full-coverage spray paths, delivering high-pressure cleaning while saving water.
- The compact spray tower fits narrow tank openings, and the whole device is made of 304 or 316 stainless steel.
- Widely applied in food, beverage, pharmaceutical and chemical sectors to clean production gear and tank-stored materials.

PRODUCT SPECIAL EFFECTS

! ATTENTION

- Standard tank nozzles come with dynamic seals made of FKM or EPDM.
- For the use of cleaning agents, chemical additives, etc., that are incompatible with standard seals, contact our technical personnel for more information.
- A pressure gauge and oil-water separator (dual component) must be added at the front of the pneumatic motor.

TECHNICAL SPECIFICATION

WORKING PRESSURE	3-18 MPa	SPINDLE SPEED	Pneumatic air pressure ≥ 2 bar stepless speed regulation
MAXIMUM PRESSURE	20 MPa	INLET CONNECTION SIZE	G3/8
FLOW RATE	15-84 L/min	NOZZLE CONNECTION (2 OR 4)	1/4 "NPT
WORKING TEMPERATURE	0-90 °C	MAXIMUM CLEANING DIAMETER	1-2 m
WEIGHT	9.5 kg		

200bar Electric 3D Nozzle

ELECTRIC ROTATING CLEANING NOZZLE

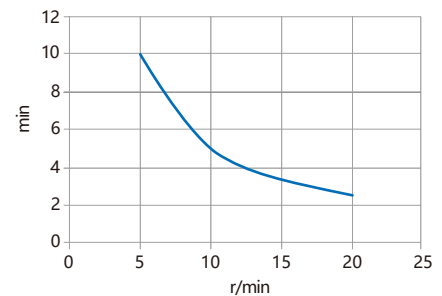
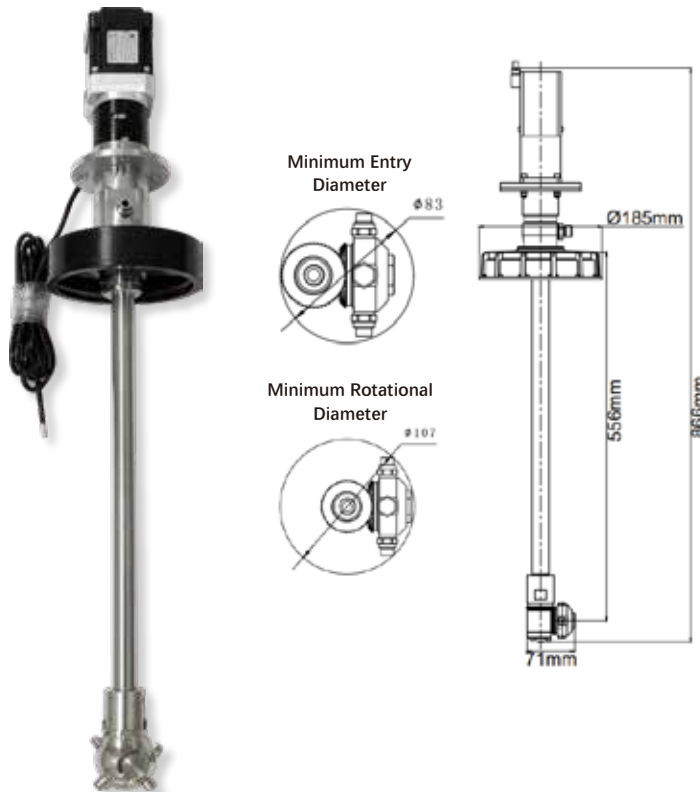


Fig.1. Rotating Speed-Time

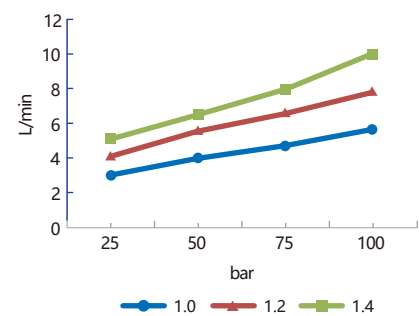


Fig.2. Single Nozzle Pressure-Flow

ABOUT

- This pneumatically driven rotating tank cleaning nozzle spins faster with higher air pressure, designed for cleaning tank and barrel inner walls.
- It delivers water-saving high-pressure cleaning with full trajectory coverage, offering excellent cleaning performance.
- Compact size allows it to fit small-diameter tank openings, with rotation speed unaffected by water temperature. It is constructed from 304/316 stainless steel.
- It is suitable for equipment cleaning in food, beverage, pharmaceutical, and chemical industries, including tank-stored materials and mixtures.

PRODUCT SPECIAL EFFECTS

! ATTENTION

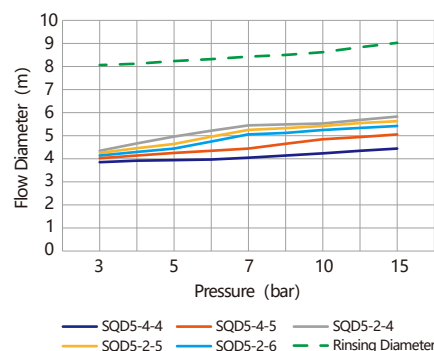
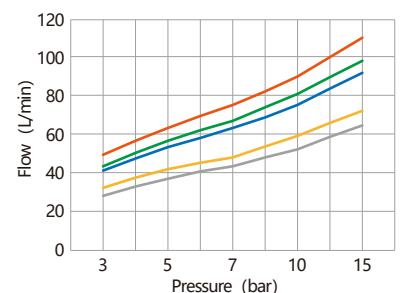
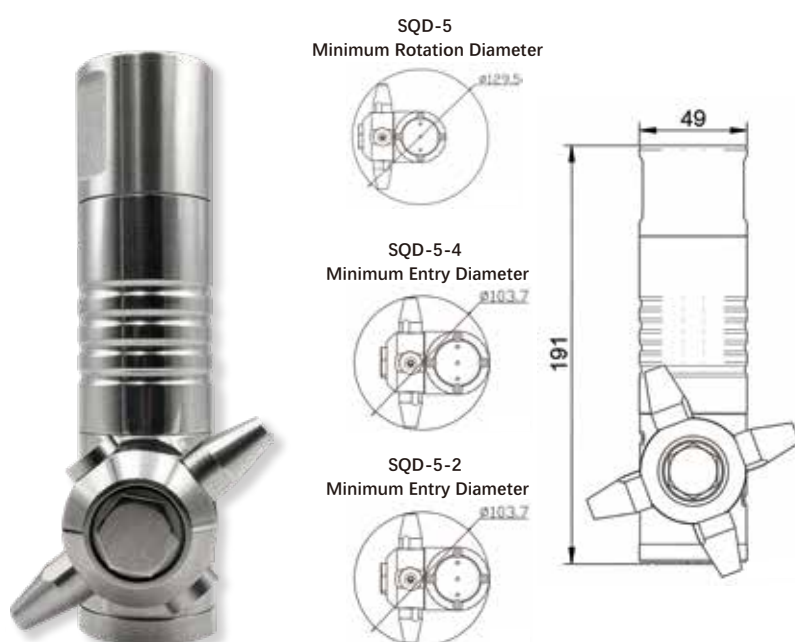
- Standard tank nozzles come with dynamic seals made of FKM or EPDM.
- For the use of cleaning agents, chemical additives, etc., that are incompatible with standard seals, contact our technical personnel for more information.

TECHNICAL SPECIFICATION

WORKING PRESSURE	3-18 MPa	NOZZLE CONNECTION (2 OR 4)	1/4 "NPT
MAXIMUM PRESSURE	20 MPa	MAXIMUM CLEANING DIAMETER	1-2 m
FLOW RATE	15-84 L/min	ELECTRIC MOTOR	400W-220V AC-1.3A adjustable speed reducer 60W-24V DC-5.8A adjustable speed reducer
WORKING TEMPERATURE	0-90 °C	POWER SUPPLY	20.99.290 - 230V 20.99.291 - 220V 20.99.293 - 110V
WEIGHT	6.52 kg	POWER CABLE LENGTH	10m
INLET CONNECTION SIZE	G 3/8		

SQD5-2/4

SQD5-2/4



ABOUT

- The SQD5-2/4 features 360° rotary jet cleaning for efficient and rapid performance, while its optimized nozzle design reduces water and energy consumption.
- Constructed from high-quality stainless steel, the product offers excellent corrosion and wear resistance, ensuring long-lasting durability even in harsh working conditions.
- Compact size allows it to fit small-diameter tank openings, with rotation speed unaffected by water temperature. It is constructed from 304/316 stainless steel.
- The SQD5-2/4 rotary cleaning head is widely used in industries including food & beverage, chemical, pharmaceutical, brewing, and oil & gas, delivering efficient cleaning for various industrial tanks and equipment.

TECHNICAL SPECIFICATION

MATERIAL	SS316/PEEK/PTFE
WEIGHT	2.45 kg
TYPE	Impeller gearbox drive
LUBRICATION	Self-lubricating through cleaning fluid
CLEANING ANGLE	360°
CONNECTION METHOD	G 1" F

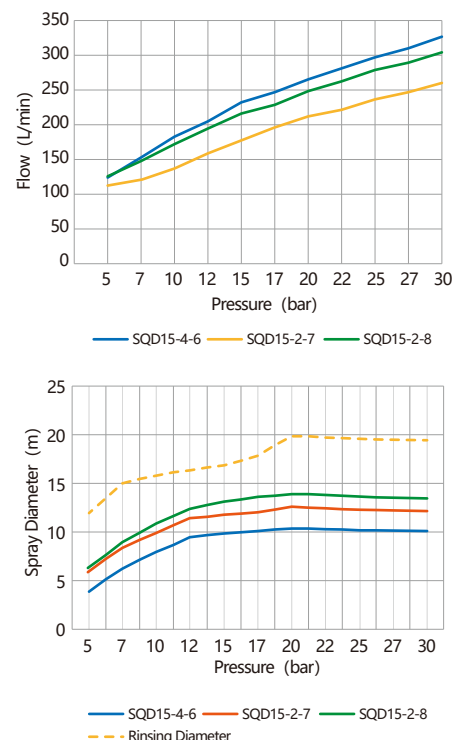
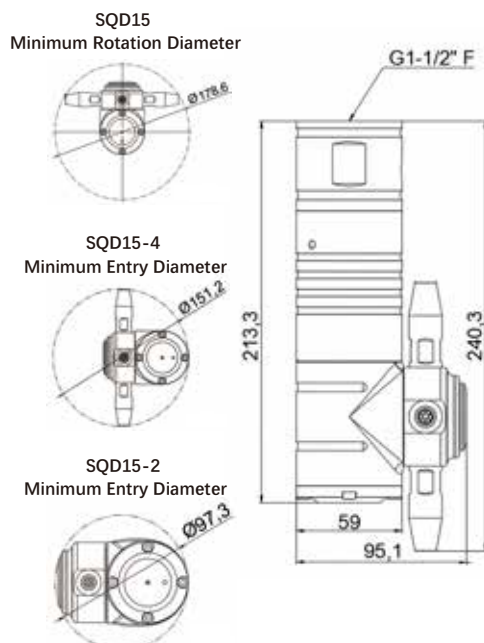
! ATTENTION

- In case of a leak, immediately take protective measures and handle acid/alkali solutions with extreme caution.
- During equipment operation, all tank openings must be securely covered and sealed to withstand jet impact. Leakage of high-temperature, corrosive, or toxic cleaning fluids poses a serious risk to personnel safety and electrical equipment.
- Installation must only be performed by professionally trained personnel who are fully aware of the associated risks and strictly comply with the instructions in this document.

CLEANING CYCLE	2-4 min
WORKING PRESSURE	2-30 bar
RECOMMENDED PRESSURE	5-20 bar
MAXIMUM CLEANING DIAMETER	5 m
MAXIMUM RINSING DIAMETER	9 m
MAXIMUM TEMPERATURE	200°C

SQD15-2/4

SQD15-2/4



ABOUT

- SQD15-2/4 features 360° rotating spray for highly efficient and fast cleaning, while its optimized nozzle design delivers water and energy savings.
- Crafted from high-quality stainless steel, the product offers excellent corrosion resistance, wear resistance, and durability, making it suitable for harsh working conditions.
- Its simple structure allows for easy disassembly, cleaning, and maintenance, effectively reducing downtime.
- The SQD15-2/4 Rotary Cleaning Head is widely used in industries such as food & beverage, chemical processing, pharmaceuticals, brewing, and oil & gas, for efficient cleaning of various industrial tanks and equipment.

TECHNICAL SPECIFICATION

PRODUCT SPECIAL EFFECTS

! ATTENTION

- In the event of a leak, immediately take protective measures and handle acid/alkali solutions with caution.
- During equipment operation, all tank openings must be securely capped and sealed to withstand jet impact; leakage of high-temperature, corrosive, or toxic cleaning fluids poses a serious risk to personnel and electrical equipment safety.
- Installation must be performed by personnel with specialized training and full awareness of the associated hazards, and must strictly comply with the instructions in this document.

MATERIALS	316/PEEK/AFLAS	CLEANING CYCLE	8-13 min
WEIGHT	3.80 kg	WORKING PRESSURE	5-30 bar
TYPE	Impeller gearbox drive	RECOMMENDED PRESSURE	5-20 bar
LUBRICATION	Self-lubricating through cleaning fluid	MAXIMUM CLEANING DIAMETER	15 m
CLEANING ANGLE	360°	MAXIMUM RINSING DIAMETER	20 m
CONNECTION METHOD	G 1-1/2" F	MAXIMUM TEMPERATURE	200°C

SQD200-CL

SQD200-CL

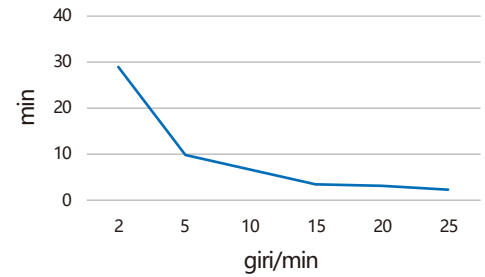
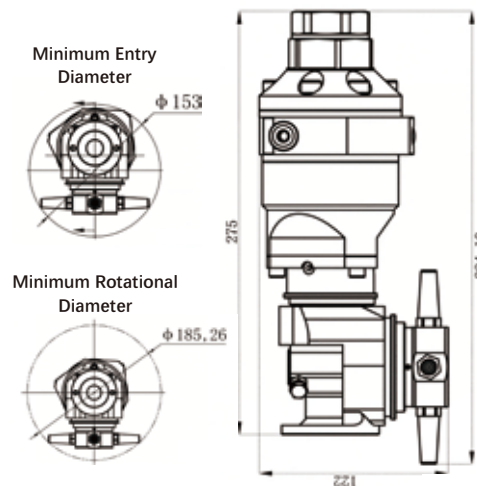


Fig.1. Rotating Speed-Tim

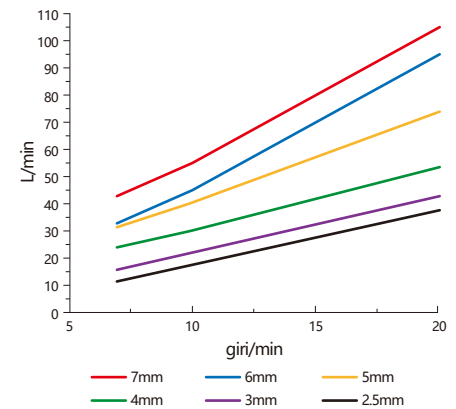


Fig.2. Single Nozzle Pressure-Flow

ABOUT

- This is a self-rotating tank cleaning head. The higher the water pressure, the faster the nozzle rotates.
- Designed for cleaning the inner walls of tanks and barrels, it provides full-coverage cleaning with high pressure, high efficiency, and water-saving performance.
- The rotation speed is unaffected by water temperature. Made entirely of 304 stainless steel, it is corrosion-resistant and highly stable.
- It is suitable for cleaning production equipment in industries such as food, beverages, and pharmaceuticals.

! ATTENTION

- Standard tank nozzles are equipped with dynamic seals.
- For the use of cleaning agents, chemical additives, etc. that are incompatible with standard seals, you must contact our technical personnel for more information.

TECHNICAL SPECIFICATION

WORKING PRESSURE	30-160 bar	SPINDLE SPEED	10-16 giri/min
MAXIMUM PRESSURE	170bar	INLET CONNECTION SIZE	G 3/4"
FLOW RATE	20-120L/min	NOZZLE CONNECTION (2 OR 4)	1/4" NPT
WORKING TEMPERATURE	0-90 °C	MAXIMUM CLEANING DIAMETER	1-5 m
WEIGHT	7.8 kg		

DD4020

DD4020



ABOUT

- Equipped with wear-resistant roller handles for effortless pushing and repositioning, the stable body is suitable for industrial scenarios such as workshops and warehouses.
- The 360° full-range rotating cleaning head enables dead-corner-free flushing, eliminating the need for manual entry into the barrel for thorough and safe cleaning.
- It supports custom scheduled operation with automatic shutdown and power-off, eliminating the need for on-site attendance to save labor and reduce energy consumption.
- The high-power motor delivers strong and controllable water pressure with flexible water intake, providing efficient dirt removal without damaging the barrel.

PRODUCT SPECIAL EFFECTS

- Custom-designed for IBC totes, suitable for multiple industries, and greatly improves batch cleaning efficiency.

TECHNICAL SPECIFICATION

EQUIPMENT MODEL	HS4020
PRESSURE	200bar
FLOW RATE	40L/min
MOTOR POWER	15KW

EQUIPMENT MODEL	HS2930
PRESSURE	300bar
FLOW RATE	29L/min
MOTOR POWER	18.5KW

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