

TWIN CLEANER

1 CHARACTERISTICS AND BENEFITS

- Flanged armature for cleaning and closing/regulating neutral gaseous and liquid media
- Joint 3 functions in one fitting: strainer with two closing discs
- Strainers protect valves, improve the system's reliability, and lower the costs of maintenance
- Environmentally friendly product: extremely low medium loss during cleaning process
- Installation length equal to standard strainer – space savings
- With levers in basic equipment
- Prepared for diverse drive possibilities
- Lower nr. of sealing connections in pipeline – lower potential risk of leakage
- Lower costs of screw material
- High mesh width light – low chance of clogging
- Simple dismantling of the screen for cleaning
- Cleaning cover plug ½"
- Changeable seat of closing discs
- Simple, reliable construction and low weight
- Max. flow speed for liquids 4 m/s at PN16, for gases 35 m/s
- Simple handling and maintenance
- Constructions with a normal screen and a fine screen widen the range of application
- Coloured in RAL5005

2 STANDARDS

- Manufactured acc. to the EU Pressure Equipment Directive PED 2014/68/EU; CE znak
- Body and cover material acc. to EN 1561
- Shut-off valves manufactured and tested acc. to EN 1074-2 and EN 593
- Strength calculated acc. to EN 12516-3 in EN 12516-4
- Flanges acc. to EN 1092-2 PN 10/16/25
- Installation length acc. to EN 558-1, series 1 (DIN 3202, F1)
- Top flange connection for actuator acc. to ISO 5211/1
- EN 19 Specification
- Final strength and tightness test acc. to EN 12266

3 APPROVALS

For version with epoxy powder coating RAL5005:

- Corrosion protection acc. to DIN 30677-2 and EN 14901
- Sealing elements for drinking water acc. to EN 681
- Microbiological suitability acc. to EN 16421 (W270)
- UBA, W270, ACS WRAS, Belgaqua for EPDM sealing elements and Epoxy coating
- GSK – RAL GZ-662/2 for corrosion protection

ART. 2014

DN 50–100
PN 10/16, cast iron



ON DEMAND

POSSIBLE ADDITIONS

- Without cover plug ½"
- PN 6 / ANSI 150 flanges
- Screen other density
- Perforated, passivated screens
- Air vent plugs
- Screws A2
- Magnet insert
- Ball valve
- Manometer connections
- Pneumatic or electric actuator

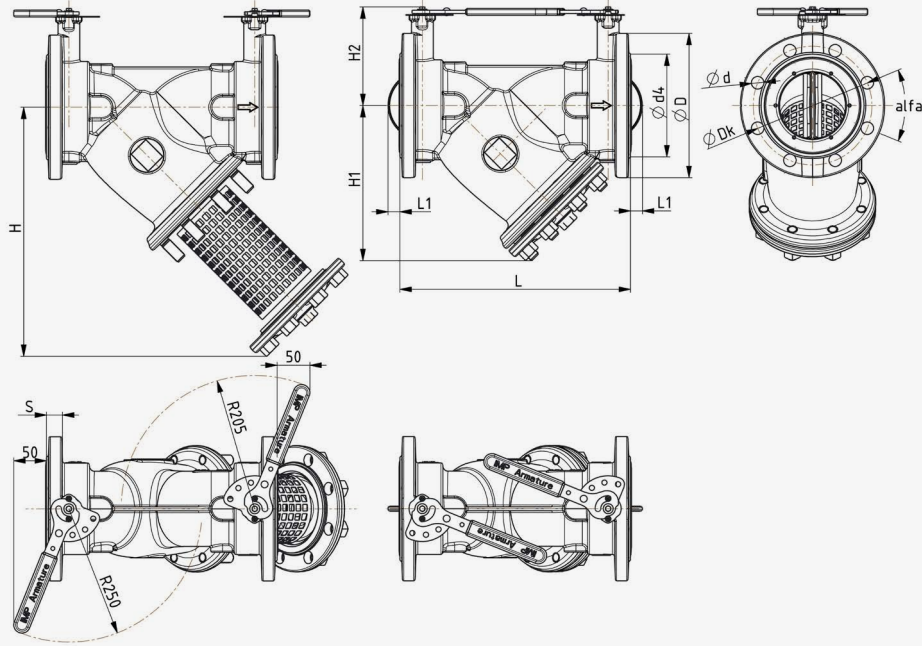
SPARE PARTS

- Gaskets
- Screens
- Cover
- Sealing seat

DN	50–100	
	wet	Epoxy powder
RAL5005 colour coating		
Max. operating pressure [bar]	16	16
Temperature resistance of color coating [°C]	120	50
Max. operating temperature* for neutral liquids [°C]	150 (max. 5 min)	+0 - 50
Shell strength and tightness: test with air; rate A [bar]	24	24
Sealing element tightness: test with air; rate A [bar]	17,6	17,6

*Maximum operating temperature depends of the mounted materials and pressure.

TECHNICAL DRAWINGS



DATA

DN	50	65	80	100
ϕD [mm]	165	185	200	220
ϕDk [mm]	125	145	160	180
$\phi d4$ [mm]	108	118	132	156
ϕd [mm]	19	19	19	19
L [mm]	230	290	310	350
L1 [mm]	0	3	5	20
S [mm]	20	20	22	24
alfa [°]	90	90	45	45
Nr. holes	4	4	8	8
H [mm]	230	260	290	380
H1 [mm]	140	160	190	240
H2 [mm]	130	135	140	150
Torque [Nm]	37	44	56	85
Weight [kg]	11	14	19	27

ALLOWABLE NON-SHOCK PRESSURE [bar]

PN	TEMPERATURE [°C]	
	from -10 to 120	150
10	10	9
16	16	14,4

NORMAL SCREEN FINE SCREEN

DN	50	65	80	100
Mesh light [mm]	0,87	1,18	0,25	
Qty loops [n/cm²]	64	25	625	

MATERIALS

	BASIC VERSION	SPECIAL VERSIONS ON DEMAND (differences from basic version)
	Heating, process engineering	Potable water
Body	EN GJL-250	
Cover	EN GJL-250	
Cover gasket	graphilit	BA-U
Cover screws	Galv. A2F / 5,6	A2-70
Cover plug 1/2"	Galv. A2F / 5,6	A2
Screen	W. No. 1.4301 expanded	
Shaft	W. No. 1.4021	
Disc	EN GJS-400-15	Stainless steel W.Nr. 1.4408
Sealing seat	EPDM HT	EPDM DVGW
		NBR
Colour coating	Epoxy wet RAL5005 min. 80 µm	Epoxy powder RAL5005 min. 250 µm