

PRODUCT QUALIY CONTROL

Manufacturer Name

SHANXI SOLID INDUSTRIAL CO., LTD

Valve Type

Y Strainer

2023

Year of Manufacturing

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1. General Information about the Product

Contract:

Product description: Y STRAINER

Product identification: SLD-00300

Drawing No.: AS FOLLOWING

Manufacturer: SHANXI SOLID INDUSTRIAL CO., LTD

Manufacturing date: 2023-05-21

2. Specifications and Main Parameters

Parameter	Value
Nominal size (nominal bore), DN, mm	From 40, 50, 65, 80, 100, 150, 200, 250, 300, 400, 600
Nominal pressure, PN, MPa	1.0, 1.6
Valve rating	PN10, PN16
Fluid	Gas
Operating pressure, P _p , MPa	Operating pressure shall not exceed the limits specified in the relevant standards 1.0MPa 1.6MPa for these materials and operating conditions.
Operating temperature, T _p , °C	Material Design Temperature; -40 Deg.C to 80 Deg.C.
Leakage rate	A
Drive type	/
Actuator ends connections:	N.A.
Weld end types:	N.A.
Face-to-face length, mm:	AS ATTACHED DRAWING
Full service life, years, minimum:	10

3. Main Part Information

Part No.	Description of Part	Material	Material grade	Test Standards
1	Body	Ductile iron	GGG40	EN12266-2
2	Screen	Stainless steel 304	SS304	EN12266-2

To be completed for all parts included in the valve assembly

4. Part Material Information

(First we provide certificate No., after goods are finished production and do test, we will provide you certificate.)

5. Weld Information

N.A.

6. Overlay Information

Part description	Facing material	Heat treatment		Overlay control method				QC test result
		Description	Heating temperature, °C	Visual and dimensional inspection	Penetrant testing	Hardness, HRC		
						Standard	Actual	
BODY	FBE coating	-	-	OK	SATISFACTORY	-	-	SATISFACTORY
		-	-	OK	SATISFACTORY	-	-	SATISFACTORY

+ *Inspection performed*

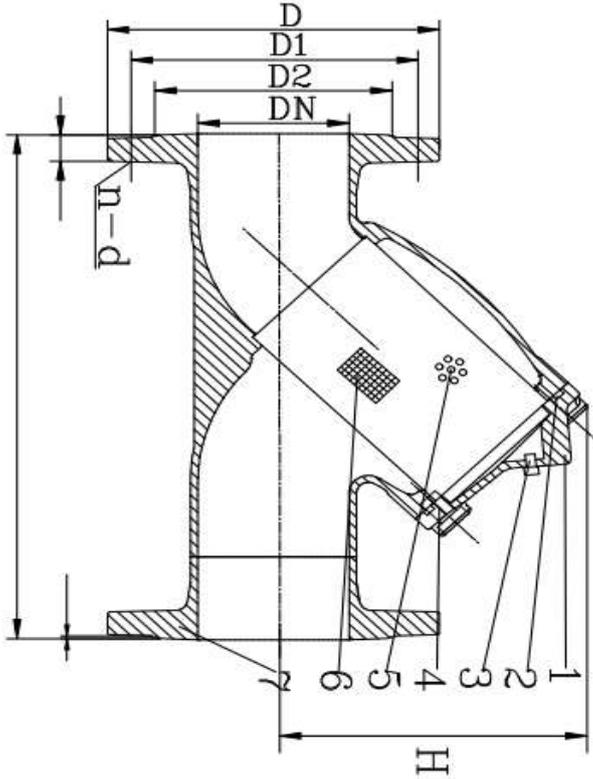
- *Inspection not applicable*

To be completed for all overlaid parts

7. Valve Application and Operating Principle

Figure 1 – Y strainer

AS ATTACHED DRAWINGS



Standard Screens:

Size	Hole Dia	Free Flow Area
DN40-DN80	1.5mm	33%
DN100-DN600	3.0mm	33%

SIZE DN	DN3202 FLANGED TO EN1092 PN16/10									
	L	øD	øD1	øD2	b	n-d	f	H		
40	180	150	110	88	16	4-19	3	97		
50	200	160	125	102	16	4-19	3	104		
65	240	180	145	122	16	4-19	3	118		
80	260	195	160	138	17	8-19/4-19	3	137		
100	300	214	180	158	17	8-19	3	170		
125	350	242	210	188	18	8-19	3	195		
150	400	276	240	212	18	8-23	3	248		
200	500	330	295	268	20	12-23/8-23	3	297		
250	600	395	355/350	320	21	12-28/12-23	3	386		
300	700	450	410/400	378/370	22	12-28/12-23	4	470		
350	800	520/505	470/460/188	26.5	16-28/16-23	4				
400	900	580/565/528/515	212	28	16-31/16-28	4				
450	1000	640/615/585/565	268	30	20-31/20-28	4				
500	1100	715/670/650/620	320	31.5	20-34/20-28	4				
600	1300	840/780/770/725	378/370	36	20-37/20-31	5				

7.	Body	Ductile Iron
6.	Filter Screen	Stainless Steel
5.	Filter Core	Stainless Steel
4.	Bolts	Steel 8.8
3.	Plug	Stainless Steel
2.	Gasket	NBR
1.	Cover	Ductile iron
No.	COMPONENT	MATERIAL

Y STRAINER VALVE PN16/10
DN 40~600

TEST PRESSURE	BODY	MPa
	SEAT	
WORKING PRESSURE	1.6/1.0	

8. Valve Actuator

N.A.

9. Trouble shooting

Fault	Suspected causes	Trouble shooting ways
Leakage between the body and bonnet.	1. Bonnet joint bolt looseness. 2. Winding gasket is damage.	1. Tighten the screws up. 2. Replace gasket.

10. Quality Inspection and Testing Results

10.1 Visual and Dimensional Inspection

Standard	QC test results
Inspection of overall and mounting dimensions, assembly correctness, marking, and completeness	Satisfactory

10.2 Material Strength and Tightness Testing

(First we provide certificate No., after goods are finished production and do test, we will provide you certificate.)

10.3 Leakage Testing

(First we provide certificate No., after goods are finished production and do test, we will provide you certificate.)

11. Scope of Delivery

Valve assembly.

Operation Manual in 2 copies per each item batch delivered at one address.

Passport for each item: 1 copy

12. Inspection and Preservation Certificate

The Y strainer complies with DINDIN3202-F1, EN12266-2 and is deemed acceptable for operation.

**as shipped condition & stored under roofing*

13. Packing Certificate

The Y strainer is packed in accordance with the Manufacturer's engineering documentation in effect.

14. Warranty

We, Shanxi Solid Industrial Co., Ltd., state that the Y strainer of the Warranty period (24 months) and equipment service life (not less than 10 years).

