



CERTIFICATE OF MANUFACTURE & TEST OF BOILER MOUNTINGS & FITTINGS

CERTIFICATE NO: SB/20435

Dated : 21-09-2019

NAME OF THE PART : Cast Steel Parallel Slide Blow off valve Flanged

Size : 32 mm

Qty : 5

S.No. CP-6985 TO CP-6989

MAKER'S NAME AND ADDRESS : SANT VALVES PVT. LTD, G.T. ROAD BYE PASS, JALANDHAR CITY-144012

BRAND NAME : 'SANT'

CUSTOMER'S NAME & ADDRESS : FOR STOCK

DESIGN PRESSURE : 350 PSIG

DESIGN TEMPERATURE : 400 C

MAXIMUM ALLOWABLE WORKING PRESSURE -24.6 KG/Cm2 (350 PSIG) HYDRAULIC TEST PRESSURE -49.2 KG/Cm2 (700 PSIG)

TEMPERATURE C	-17.8 TO 232.2	260	287.8	315.6	343.3	399	---	---	---	DRAWING NO.
MAWP (KG/Cm2)	49.2	45.7	42.2	38.7	35.2	28.1	---	---	---	SVPL/CS/562/94

MAIN DIMENSIONS : Face to Face-242 mm Centre to top-145 mm Flange dia-5.1/4" Flange Thickness-3/4"

SPECIFICATIONS : ASTM A-216 GR-WCB

IDENTIFICATION MARK : Punched serial number and inspecting Authority's seal on body /Flange

CHEMICAL COMPOSITION : C SI MN S P CU NI CR MO V

HEAT NO : W-801 D 0.29 0.48 0.82 0.03 0.032 -- -- -- -- --

PHYSICAL TEST RESULTS :

- i) Tensile Strength 511.00 MPA
- ii) Transverse bend test -----
- iii) Elongation 25.75%
- iv) OTHER TESTS:



Raw Material	Process of Manufacturing : Sand Casting	Size : 32 mm
	Fully Killed / Rimmed : Fully Killed	MTC No. & Date :---
	Specifications : ASTM A-216 GR-WCB	Name of Maker : SELF-Manufactured
	Heat No. : As above	Name of the Inspecting Authority: Castings Inspected By inspecting officer

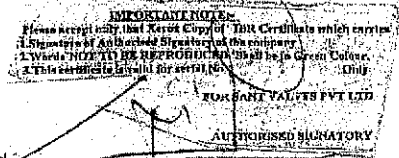
Certified that the particulars entered herein by us are correct. The part has been designed and constructed to comply with the Indian Boiler Regulations 1950 for a maximum working pressure of 350 PSIG and maximum temperature of 440 C and satisfactorily withstood a hydraulic test using water or kerosene or any other suitable liquid to a pressure of 700 PSIG on the 21 day of Sep 2019 in the presence of our responsible representative whose signature is appended hereunder.

[Signature]
 (R.K.SAMMI)
 MAKER'S REPRESENTATIVE
 (Name & Signature)

MAKER FOR SANT VALVES PVT. LTD.
[Signature]
 (NARESH KUMAR)
 (Name & Signature)

We have satisfied ourselves and the valve/fitting has been constructed and tested in accordance with the requirements of Indian Boiler Regulation 1950. We further certified that the particulars entered herein are correct.

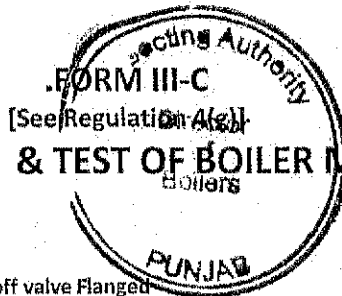
Name and signature of Competent person
 Who witnessed the tests (Inspecting Officer)
[Signature]
 INSPECTING OFFICER
 Place : JALANDHAR CITY
 Dated : 21-09-2019



Name and Signature of the Inspecting Authority
[Signature]
 (SANT SINGH)
 Inspecting Authority
 Director of Boilers (Pb.)

Note: (1) In the case of valve chest made and tested in foundries of Forges recognized by the Central Boilers Board in the manner as laid down in regulations 4A to 4H, particulars regarding the material as certified by them, in Form III-F/Form III-G & Form IV, shall be noted in the appropriate columns or paragraphs in the certificates and in case OF CERTIFICATES FROM Well Known Foundries or Forges is produced, such certificate may be accepted in lieu of the certificate from Inspecting Authority in so far as it relates to the testing of material specified in the Form.(2) In case of safety valves, detail and test results as required in item No. 8 of Form-III shall also be furnished duly signed by manufacturer and Inspecting authority.

(3) For Stock and sale purpose, one Form shall be issued for not more than fifty mountings and fittings.



CERTIFICATE OF MANUFACTURE & TEST OF BOILER MOUNTINGS & FITTINGS

CERTIFICATE NO: SB/20715

Dated : 09-07-2020

NAME OF THE PART : Cast Steel Parallel Slide Blow off valve Flanged

Size : 40 mm

Qty : 8

S.No. CR-6740 TO CR-6747

MAKER'S NAME AND ADDRESS : SANT VALVES PVT. LTD, G.T. ROAD BYE PASS, JALANDHAR CITY-144012

BRAND NAME : 'SANT'

CUSTOMER'S NAME & ADDRESS : FOR STOCK

DESIGN PRESSURE : 350 PSIG

DESIGN TEMPERATURE : 400 C

MAXIMUM ALLOWABLE WORKING PRESSURE -24.6 KG/Cm2 (350 PSIG) HYDRAULIC TEST PRESSURE -49.2 KG/Cm2 (700 PSIG)

TEMPERATURE C	-17.8 TO 232.2	260	287.8	315.6	343.3	399	---	---	---	DRAWING NO.
MAWP (KG/Cm2)	49.2	45.7	42.2	38.7	35.2	28.1	---	---	---	SVPL/CS/559/94

MAIN DIMENSIONS : Face to Face-267 mm Centre to top-171 mm Flange dia-5.1/2" Flange Thickness-7/8"

SPECIFICATIONS : ASTM A-216 GR-WCB

IDENTIFICATION MARK : Punched serial number and inspecting Authority's seal on body /Flange

CHEMICAL COMPOSITION : C SI MN S P CU NI CR MO V

HEAT NO : X-213-B 0.27 0.42 0.79 0.029 0.030 -- -- -- -- --

PHYSICAL TEST RESULTS :

- i) Tensile Strength 517.00 MPA
- ii) Transverse bend test -----
- iii) Elongation 27%
- iv) OTHER TESTS:



Raw Material	Process of Manufacturing : Sand Casting	Size : 40 mm
	Fully Killed / Rimmed : Fully Killed	MTC No. & Date :---
	Specifications : ASTM A-216 GR-WCB	Name of Maker : SELF-Manufactured
	Heat No. : As above	Name of the Inspecting Authority: Castings Inspected By inspecting officer

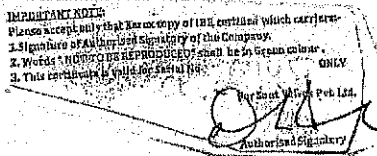
Certified that the particulars entered herein by us are correct. The part has been designed and constructed to comply with the Indian Boiler Regulations 1950 for a maximum working pressure of 350 PSIG and maximum temperature of 440 C and satisfactorily withstood a hydraulic test using water or kerosene or any other suitable liquid to a pressure of 700 PSIG on the 09 day of July 2020 in the presence of our responsible representative whose signature is appended hereunder.

(Signature)
(KUNWAR SUNIL KUMAR)
MAKER'S REPRESENTATIVE
(Name & Signature)

MAKER FOR SANT VALVES PVT. LTD.
(Signature)
(ABHISHEK RATHOUR)
(Name & Signature)

We have satisfied ourselves and the valve/fitting has been constructed and tested in accordance with the requirements of Indian Boiler Regulation 1950. We further certified that the particulars entered herein are correct.

Name and signature of Competent person
Who witnessed the test and inspecting officer
BALVINDER PAL SINGH
INSPECTING OFFICER
Place : JALANDHAR
Dated : 09-07-2020

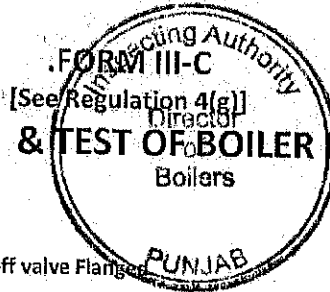


Name and Signature of the Inspecting Authority
(SATBIR SINGH)
Inspecting Authority
Director of Boilers (Pb.)

Note: (1) In the case of valve chest made and tested by well known foundries of Forges recognized by the Central Boilers Board in the manner as laid down in regulations 4A to 4H, particulars regarding the material as certified by them, in Form III-F/Form III-G & Form IV, shall be noted in the appropriate columns or paragraphs in the certificates and in case OF CERTIFICATES FROM Well Known Foundries or Forges is produced, such certificate may be accepted in lieu of the certificate from inspecting Authority in so far as it relates to the testing of material specified in the Form. (2) In case of safety valves, detail and test results as required in item No. 8 of Form-III shall also be furnished duly signed by manufacturer and inspecting authority.

(3) For Stock and sale purpose, one Form shall be issued for not more than fifty mountings and fittings.

CERTIFICATE OF MANUFACTURE & TEST OF BOILER MOUNTINGS & FITTINGS



CERTIFICATE NO: SB/20643

Dated : 05-03-2020

NAME OF THE PART : Cast Steel Parallel Slide Blow off valve Flange

Size : 25 mm

Qty : 13

S.No. CR-4310 TO CR-4322

MAKER'S NAME AND ADDRESS : SANT VALVES PVT. LTD, G.T. ROAD BYE PASS, JALANDHAR CITY-144012

BRAND NAME : 'SANT'

CUSTOMER'S NAME & ADDRESS : FOR STOCK

DESIGN PRESSURE : 350 PSIG

DESIGN TEMPERATURE : 400 C

MAXIMUM ALLOWABLE WORKING PRESSURE -24.6 KG/Cm2 (350 PSIG) HYDRAULIC TEST PRESSURE -49.2 KG/Cm2 (700 PSIG)

TEMPERATURE C	-17.8 TO 232.2	260	287.8	315.6	343.3	399	---	---	---	DRAWING NO.
MAWP (KG/Cm2)	49.2	45.7	42.2	38.7	35.2	28.1	---	---	---	SVPL/CS/558/94

MAIN DIMENSIONS : Face to Face-178 mm Centre to top-138 mm Flange dia-4.3/4" Flange Thickness-3/4"

SPECIFICATIONS : ASTM A-216 GR-WCB

IDENTIFICATION MARK : Punched serial number and inspecting Authority's seal on body /Flange

CHEMICAL COMPOSITION : C SI MN S P CU NI CR MO V

HEAT NO : X-108-B 0.22 0.48 0.56 0.007 0.018 -- -- -- --



PHYSICAL TEST RESULTS :

- i) Tensile Strength : 527.15 MPA
- ii) Transverse bend test : -----
- iii) Elongation : 26%
- iv) OTHER TESTS:

Raw Material	Process of Manufacturing : Sand Casting	Size : 25 mm
	Fully Killed / Rimmed : Fully Killed	MTC No. & Date :---
	Specifications : ASTM A-216 GR-WCB	Name of Maker : SELF-Manufactured
	Heat No. : As above	Name of the Inspecting Authority: Castings Inspected By inspecting officer

Certified that the particulars entered herein by us are correct. The part has been designed and constructed to comply with the Indian Boiler Regulations 1950 for a maximum working pressure of **350 PSIG** and maximum temperature of **440 C** and satisfactorily withstood a hydraulic test using water or kerosene or any other suitable liquid to a pressure of **700 PSIG** on the 05 day of Mar 2020 in the presence of our responsible representative whose signature is appended hereunder.

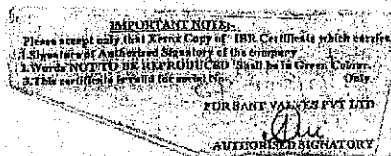
(Signature)
 (KUNWAR SUNIL KUMAR)
 MAKER'S REPRESENTATIVE
 (Name & Signature)

MAKER FOR SANT VALVES PVT. LTD.

(Signature)
 (ANIRUDH RATHOUR)
 (Name & Signature)

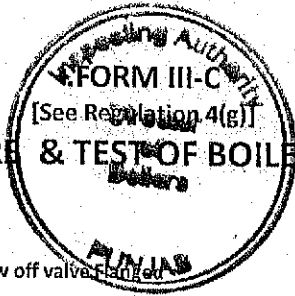
We have satisfied ourselves and the valve/fitting has been constructed and tested in accordance with the requirements of Indian Boiler Regulation 1950. We further certified that the particulars entered herein are correct.

Name and signature of Competent person
 Who witnessed the tests (Inspecting officer)
BALVINDER PAL SINGH
 INSPECTING OFFICER
 Place : JALANDHAR
 Dated : 05-03-2020



Name and Signature of the Inspecting Authority
(SATBIR SINGH)
 Inspecting Authority
 Director of Boilers (Pb.)

Note:(1) In the case of valve chest made and tested by well known foundries or Forges recognized by the Central Boilers Board in the manner as laid down in regulations 4A to 4H, particulars regarding the material as certified by them, in Form III-F/Form III-G & Form IV, shall be noted in the appropriate columns or paragraphs in the certificates and in case OF CERTIFICATES FROM Well Known Foundries or Forges is produced, such certificate may be accepted in lieu of the certificate from Inspecting Authority in so far as it relates to the testing of material specified in the Form.(2) In case of safety valves, detail and test results as required in Item No. 8 of Form-III shall also be furnished duly signed by manufacturer and inspecting authority.
 (3) For Stock and sale purpose, one Form shall be issued for not more than fifty mountings and fittings.



CERTIFICATE OF MANUFACTURE & TEST OF BOILER MOUNTINGS & FITTINGS

CERTIFICATE NO: SB/20104

Dated : 08-12-2018

NAME OF THE PART : Cast Steel Parallel Slide Blow off valve

Size : 50 mm

Qty : 50

S.No. CO-5191 TO CO-5240

MAKER'S NAME AND ADDRESS : SANT VALVES PVT. LTD, G.T. ROAD BYE PASS, JALANDHAR CITY-144012

BRAND NAME : 'SANT'

CUSTOMER'S NAME & ADDRESS : FOR STOCK

DESIGN PRESSURE : 350 PSIG

DESIGN TEMPERATURE : 400 C

MAXIMUM ALLOWABLE WORKING PRESSURE -24.6 KG/Cm2 (350 PSIG) HYDRAULIC TEST PRESSURE -49.2 KG/Cm2 (700 PSIG)

TEMPERATURE C	250	300	350	400	425	450	500	550	600	DRAWING NO.
MAWP (KG/Cm2)	48.2	44.0	36.0	28.4	-----					SVPL/CS/560/94

MAIN DIMENSIONS : Face to Face-305 mm Centre to top:187 mm Flange dia-6.1/2" Flange Thickness-1"

SPECIFICATIONS : ASTM A-216 GR-WCB

IDENTIFICATION MARK : Punched serial number and Inspecting Authority's seal on body /Flange

CHEMICAL COMPOSITION : C SI MN S P

HEAT NO : V-1015-A 0.21 0.40 0.78 0.029 0.025

PHYSICAL TEST RESULTS :

- i) Tensile Strength 518.00 MPA
- ii) Transverse bend test -----
- iii) Elongation 29.10%
- iv) OTHER TESTS:



Raw Material	Process of Manufacturing : Sand Casting	Size : 50 mm
	Fully Killed / Rimmed : Fully Killed	MTC No. & Date :---
	Specifications : ASTM A-216 GR-WCB	Name of Maker : SELF-Manufactured
	Heat No. : As above	Name of the Inspecting Authority: Castings Inspected By inspecting officer

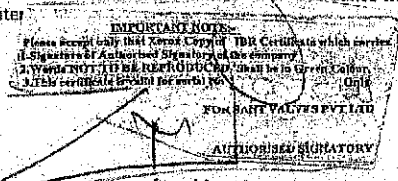
Certified that the particulars entered herein by us are correct. The part has been designed and constructed to comply with the Indian Boiler Regulations 1950 for a maximum working pressure of 350 PSIG and maximum temperature of 400 C and satisfactorily withstood a hydraulic test using water or kerosene or any other suitable liquid to a pressure of 700 PSIG on the 08 day of Dec 2018 in the presence of our responsible representative whose signature is appended hereunder.

(Signature)
 (R.K.SAMMI)
 MAKER'S REPRESENTATIVE
 (Name & Signature)

(Signature)
 MAKER FOR SANT VALVES PVT. LTD.
 (NARESH KUMAR)
 (Name & Signature)

We have satisfied ourselves and the valve/fitting has been constructed and tested in accordance with the requirements of Indian Boiler Regulation 1950. We further certified that the particulars entered

Name and signature of competent person who witnessed the tests
(SANT SINGH)
 INSPECTING OFFICER
 Place : JALANDHAR CITY
 Dated : 08-12-2018



(Signature)
 Name and Signature of the Inspecting Authority
(SANT SINGH)
 Inspecting Authority
 Director of Boilers (Pb.)

Note:(1) In the case of valve chest made and tested in well known foundries or Forges recognized by the Central Boilers Board in the manner as laid down in regulations 4A to 4H, particulars regarding the material as certified by them, in Form III-F/Form III-G & Form IV, shall be noted in the appropriate columns or paragraphs in the certificates and in case OF CERTIFICATES FROM Well Known Foundries or Forges is produced, such certificate may be accepted in lieu of the certificate from Inspecting Authority in so far as it relates to the testing of material specified in the Form.
 (2) In case of safety valves, detail and test results as required in Item No. 8 of Form-III shall also be furnished duly signed by manufacturer and Inspecting authority.
 (3) For Stock and sale purpose, one Form shall be issued for not more than fifty mountings and fittings.