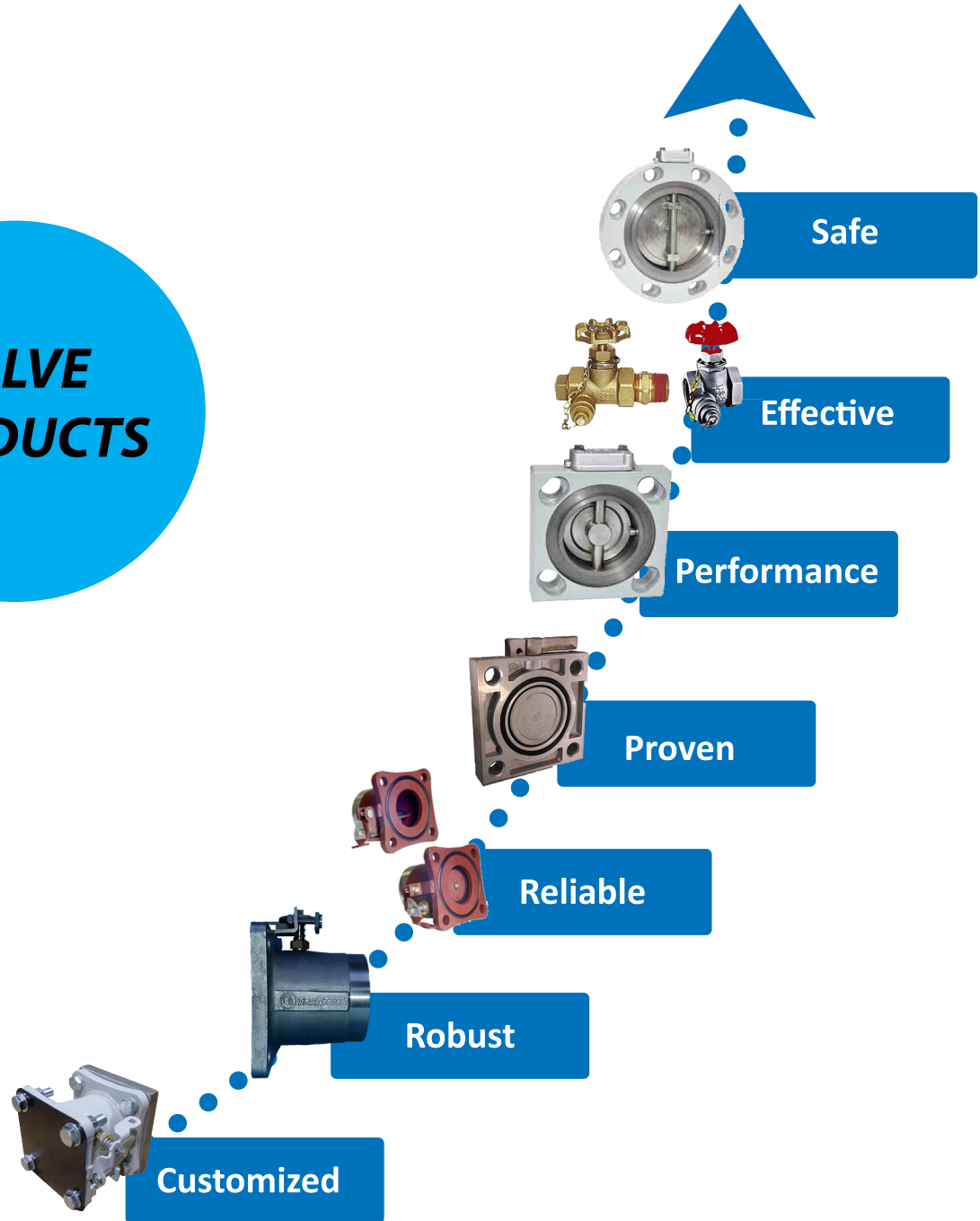




TRANTECH™

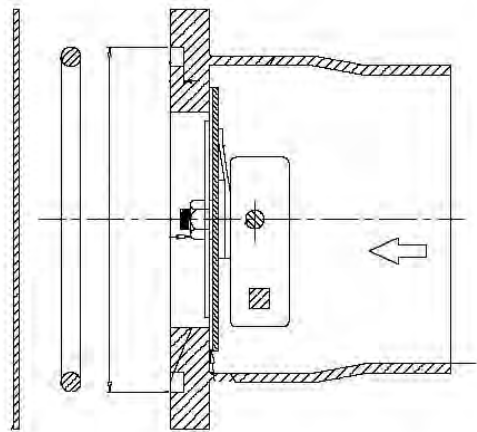
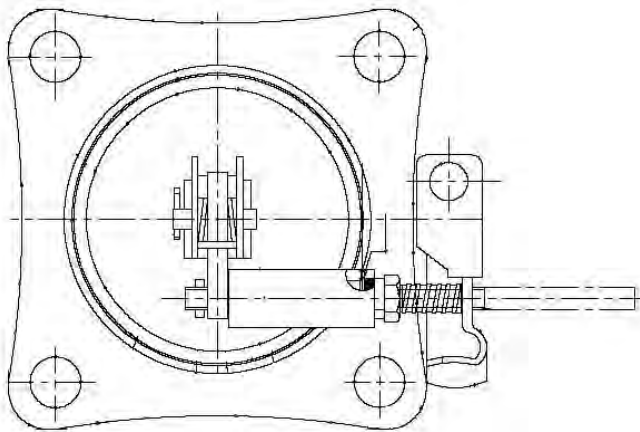
RADIATOR PRODUCTS, INC.

VALVE PRODUCTS

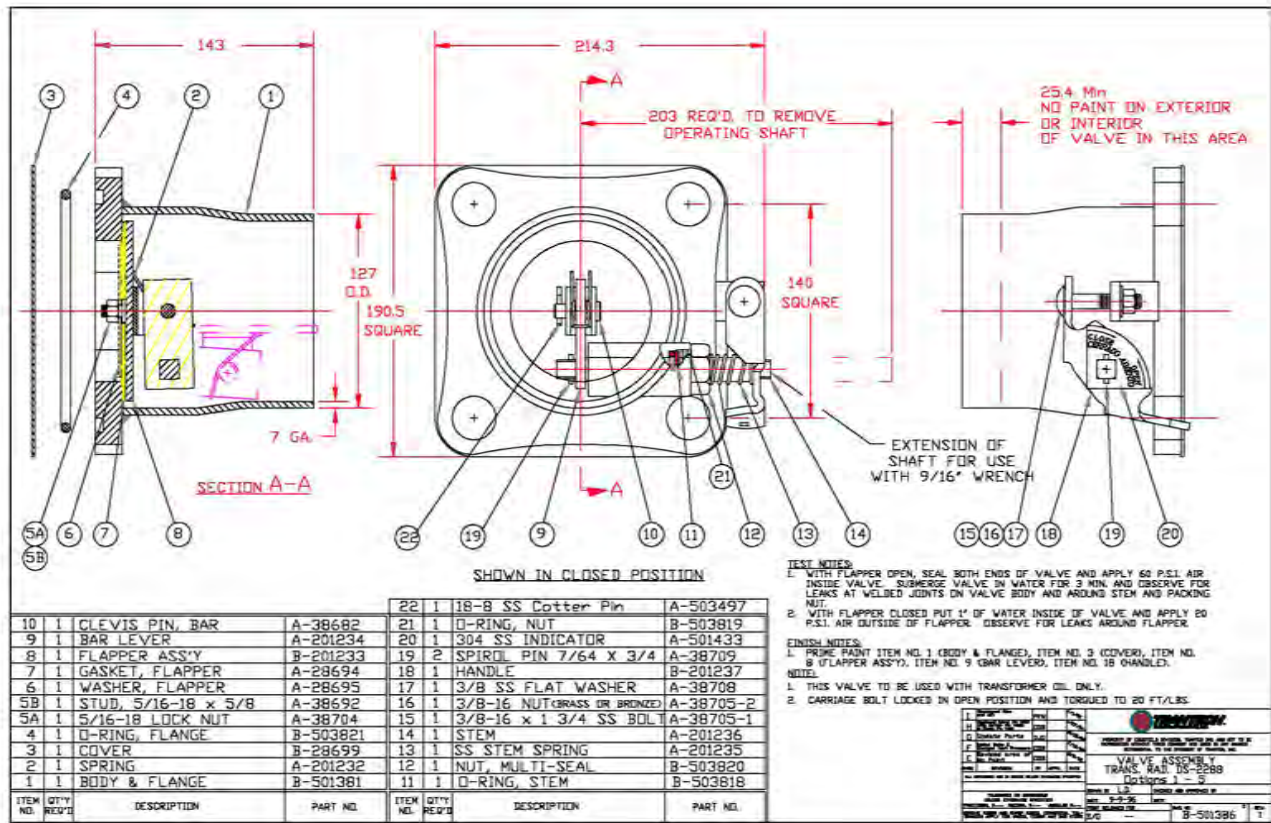


Flapper Valves

Flapper valve, sometimes referred to as a hinge valve, has a 45° angle of rotation from full open to the shut-off position. Its reliability and proven performance make it widely used for oil-immersed power transformer applications with detachable radiators. These valves can be made of carbon steel and CF8 Cast Stainless (304 SS equivalent).



Description: Standard Carbon Flapper Valve (Painted Grey)
Part Number: VN105503C



Description: Stainless Steel (CF8) Flapper Valve

Part Number: VS1055031 (Un-painted) or VN105542 (Painted ANSI 70 Grey)

MATERIAL OF CONSTRUCTION

1. BODY	ASTM A 351 GR CF 8
2. SPRING	STAINLESS STEEL AISI 304
3. COVER	STAINLESS STEEL AISI 304
4. O-RING FOR FLANGE	NITRILE RUBBER
5. STUD & NUT	STAINLESS STEEL AISI 304
6. WASHER FOR FLAPPER	STAINLESS STEEL AISI 304
7. GASKET FOR FLAPPER	NITRILE RUBBER
8. FLAPPER ASSEMBLY	STAINLESS STEEL AISI 304
9. BAR LEVER	STAINLESS STEEL AISI 304
10. CLEVIS PIN	STAINLESS STEEL AISI 304
11. O-RING FOR STEM	NITRILE RUBBER
12. PACKING NUT	BRASS BS 2874 C2 121
13. STEM SPRING	STAINLESS STEEL AISI 304
14. STEM	STAINLESS STEEL AISI 304
15. CARRIAGE BOLT	STAINLESS STEEL AISI 304
16. NUT	STAINLESS STEEL AISI 304
17. WASHER	STAINLESS STEEL AISI 304
18. HANDLE	ASTM A 351 GR CF 8
19. SPIROL PIN	STAINLESS STEEL
20. INDICATOR PLATE	ALUMINIUM
21. FLAT WASHER	STAINLESS STEEL
22. COTTER PIN	STAINLESS STEEL
23. MOUNTING BOLT	STAINLESS STEEL AISI 304
24. NUT	STAINLESS STEEL AISI 304
25. WASHER	STAINLESS STEEL AISI 304

Test Notes:-

- With Flapper Open. Both ends of the valve is sealed & 60 PSI air is applied inside the Valve. Then, the valve is Submerged in water for 3 min & observation is made for any leakage at joints on valve body, around stem & packing nut.
- With flapper closed, 20 PSI air is applied from outside (from direction as shown by arrow) of the flapper. Then observation is made for any leakage around flapper, by pouring water around other side of flapper.

Notes:-

- This valve is to be used with Transformer oil only.
- Carriage bolt is to be locked in open position and torqued to 25 Nm.

Notes:


- 1.12" MAX UNPAINTED AREA

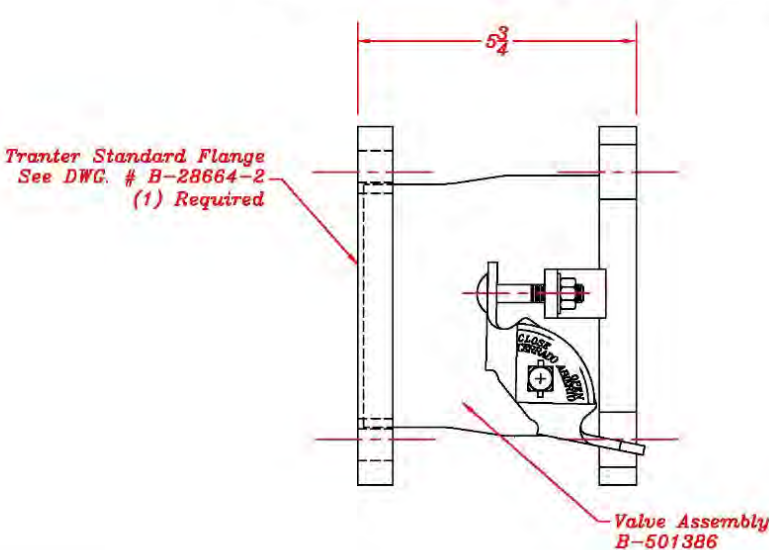
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Stainless Steel Radiator Valve
VS1055031

DATE	REVISION	BY	APPR.	DATE
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED				
TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED				
FRACTIONAL F-- DECIMAL F-- ANGULAR F--				
REMOVE BURRS AND SHARP EDGES. COMMERCIAL TOLERANCES APPLY FOR GAGES, TISSUE AND SHIP STEEL				
DRAWN BY: 008		CHECKED AND APPROVED BY:		
DATE: 7/24/14		DATE:		
FIRST RELEASED FOR: S/D		PWS NO: B-505796		

Description: Double Flanged Flapper Valve
Part Number: Various

<p><i>Customer Approval</i></p> <p>Signed _____</p> <p>Dated _____</p> <p>DO NOT SIGN APPROVAL IF changes are requested</p> <p>Changes Requested _____</p> <p>Initial _____</p> <p>Date _____</p>		<p>DRAWING NUMBER B-501430</p> <p>REVISION B</p>	<p><i>Non-Standard Valve - (Double Flanged)</i></p> <p>REMOVE BURRS & SHARP EDGES. COMMERCIAL TOLERANCES APPLY FOR ALL GAGES, TUBING AND BAR STOCK.</p>															
<p>DATE: 12/12/20</p> <p>TOLERANCE ON DIMENSIONS (UNLESS OTHERWISE SPECIFIED)</p> <p>FRACTIONAL ± $\frac{1}{32}$ DECIMAL ± ANGULAR ±</p> <p>MATERIAL - DESCRIPTION AND SIZE TRP MS 1000</p> <p>FINISH <i>Per Customer Order</i></p>		<p>SCALE:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REF.</th> <th>REVISIONS</th> <th>DATE</th> <th>BY</th> <th>CHANGE NO.</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Paint Spec Was (1) Coat White Prime</td> <td>12/12/20</td> <td>JLS</td> <td></td> </tr> <tr> <td>B</td> <td>Updated Title Block And Indicator Plate</td> <td>12/12/20</td> <td>QDB</td> <td></td> </tr> </tbody> </table>		REF.	REVISIONS	DATE	BY	CHANGE NO.	A	Paint Spec Was (1) Coat White Prime	12/12/20	JLS		B	Updated Title Block And Indicator Plate	12/12/20	QDB	
REF.	REVISIONS	DATE	BY	CHANGE NO.														
A	Paint Spec Was (1) Coat White Prime	12/12/20	JLS															
B	Updated Title Block And Indicator Plate	12/12/20	QDB															



Tranter Standard Flange
See DWG. # B-28664-2
(1) Required

Value Assembly
B-501386

Double flanged flapper style valves can be made in a variety of configurations utilizing flanges to match your specific transformer type and connection flange. Configurations for most legacy transformers can be manufactured to suit your connection needs.

Flapper Valve Repair and Replacement Parts

Description: Standard Flapper Valve – Stem Seal Repair Kit
Part Number: VSSKIT

Instructions:

Step 1: Remove spiral pin from the handle end of the valve stem.

Step 2: Remove carriage bolt and handle along with the indicator plate and spring.

Step 3: Loosen and remove brass packing nut.

Step 4: Remove ALL cork/viton packing ring(s) and clean of all debris.

Step 5: Insert (1) flat washer and rubber "O" ring (Included in kit).

Step 6: Insert (2) metal spacers or (1) additional washer (Included in kit).

Step 7: Replace brass packing nut and tighten to 20 ft-lbs.

Step 8: Replace spring, handle and indicator plate.

Step 9: Replace spiral pin (Included in kit).

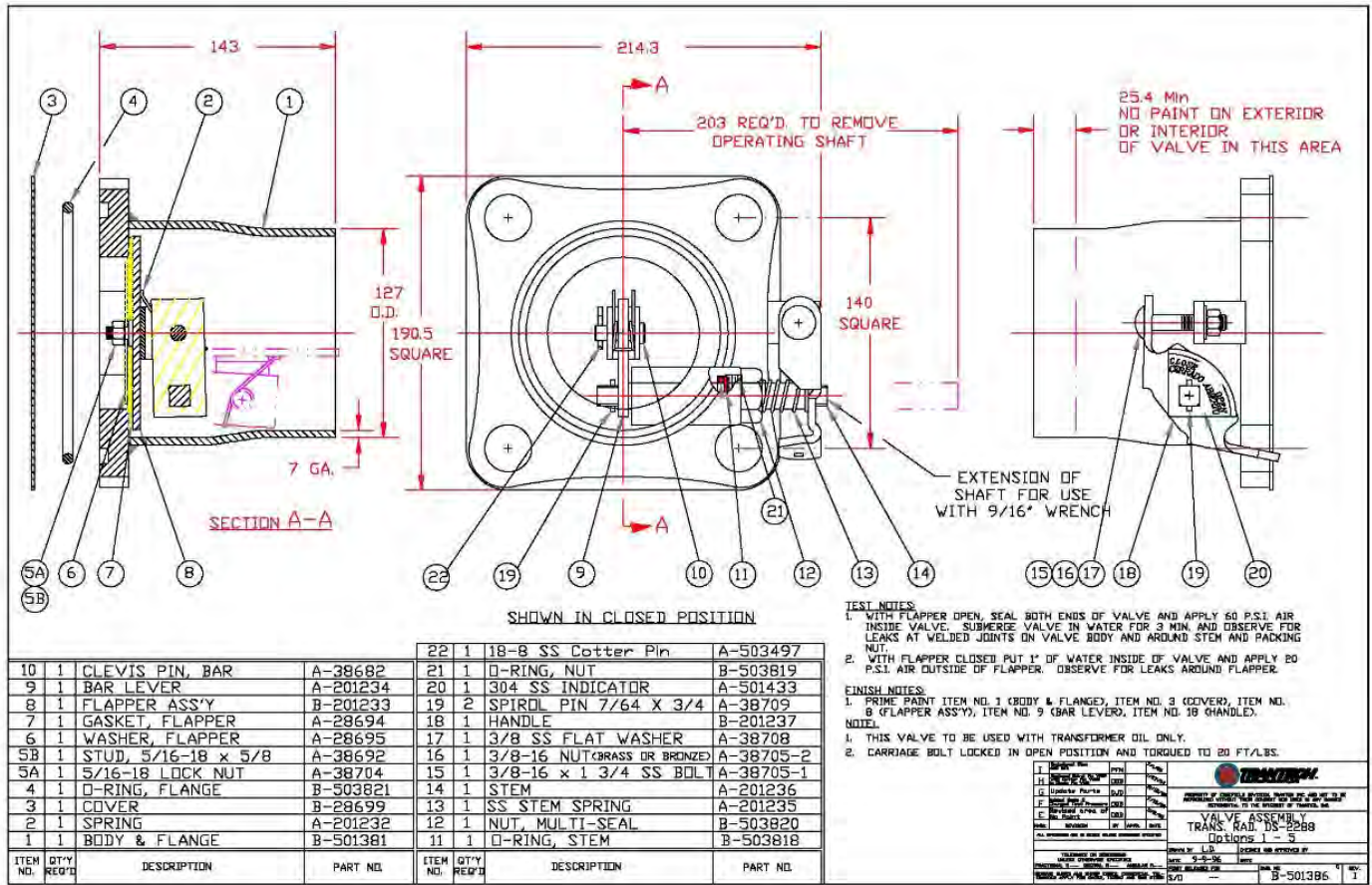
Step 10: Replace carriage bolt and tighten to 15 ft-lbs.

Step 11: Check for leaks and adjust brass packing nut as necessary.

DRAWN BY ODB	 TRANTECH RADIATOR PRODUCTS, INC.	DRAWING NUMBER B-502892	REVISION B
CHECKED DJD		Valve Stem Seal Upgrade Kit	
DATE 6/6/08	TOLERANCE ON DIMENSIONS UNLESS OTHERWISE SPECIFIED		REMOVE BURRS & SHARP EDGES, COMMERCIAL TOLERANCES APPLY FOR ALL GAGES, TUBING AND BAR STOCK.
	FRACTIONAL ± $\frac{1}{16}$ DECIMAL ± ANGULAR ±		
MATERIAL - DESCRIPTION AND SIZE			
FINISH			SCALE:
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REF.	REVISIONS	DATE	BY
A	Added Viton Replacement	5/11/08	ODB
B	Added Washer A-502567	5/11/08	ODB

Replace with "O" ring & Spacers (A-502568 & A-502640) OR "O" ring and Washers (A-502568 & A-502567)

The valve stem upgrade/repair kit provides everything needed to replace the valve stem packing on all models of Tranter / Trantech flapper valve assemblies. Viton stem O-rings are also available in place of Buna-N materials.

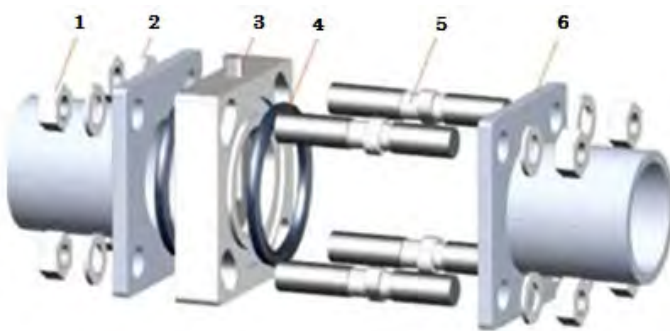


Part Number	Description	Drawing No.
HWV3/4KIT	3/4" HARDWARE KIT - ZINC PLATED	N/A
HWV3/4KITSS	3/4" HARDWARE KIT - STAINLESS	N/A
HWV5/8KIT	5/8" HARDWARE KIT - ZINC PLATED	N/A
HWVA12	BRASS PACK NUT	B-503821
HWVA15	BOLT 3/8 X 1 3/4	A-38705-1
HWVA16	NUT 3/8 SILICONE BRONZE	A-38705-2
HWVA17	WASHER 3/8 SS	A-38708
HWVA5A	NUT 5/16 CONELOK	A-38704
VA10	CLEVIS PIN	A-38682
VA13	SS STEM SPRING	A-201235
VA14	STEM	A-201236
VA18	HANDLE	B-201237
VA19	SPIROL PIN	A-38709
VA2	TORSION SPRING	A-201232
VA20	OPEN/CLOSE INDICATOR PLATE	A-501433
VA21	O-RING WASHER	A-502567
VA22	COTTER PIN	A-503497
VA3	COVER PLATE	B-28699
VA6	FLAPPER WASHER	A-28695
VA8	FLAPPER ASSEMBLY	B-201233
VA9	BAR LEVER	A-201234
VASPCR	SPACER	A-502640
VN11	PACKING O-RING	A-502568
VN4A	O-RING	B-503821
VN7	FLAPPER GASKET	A-28694
HWVA12SS	STAINLESS PACKING NUT	B-503821
VV7	VITON GASKET	A-28694
VV11	VITON STEM O-RING	A-501410
VV21	VITON STEM O-RING - OLD STYLE	A-502568
VV4B	VITON FLANGE O-RING	B-503821

Butterfly Valves

Butterfly valve, sometimes referred to as the sandwich or disc valve, has a 90° angle of rotation from full open to the shut-off position and a relatively short length and overall height, which enables it to open and shut *off* in a faster manner. Its reliability and proven performance make it widely used for oil-immersed power transformer applications such as detachable radiators, pumps, coolers and piping for oil conservators. Butterfly valve use in the transformer industry chiefly comprises of vacuum-type butterfly valves and hard seal butterfly valves. These valves can be made of various materials such as cast iron, ductile cast iron, brass, carbon steel and stainless steel.

Typical Butterfly Valve Installation Method



1. Nut – HDG Coating
2. Washer – HDG Coating
3. Valve
4. Seal
5. HDG Shoulder Bolt
6. Radiator Flange



Sizes: DN40, DN50, DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350
NPS (1.1/2", 2", 3", 4", 5".8", 10" 12", 14")

Material: Cast Iron, Ductile Iron, Steel ASTM A36, Brass, Stainless steel 304

Type connection: Wafer / Sandwich Style

Bolt Circle / PCD: ANSI, JIS, DIN, EN/BS, GOST, GB, IS etc.

Application: Power transformers Fluid: Transformer Oil Leak test: 100% tested before packing.

Coating: Fusion Bonded coating ANSI 70 Gray or as per required by customer.

Features: With lock or without, round or square in any size, sealed stem cap

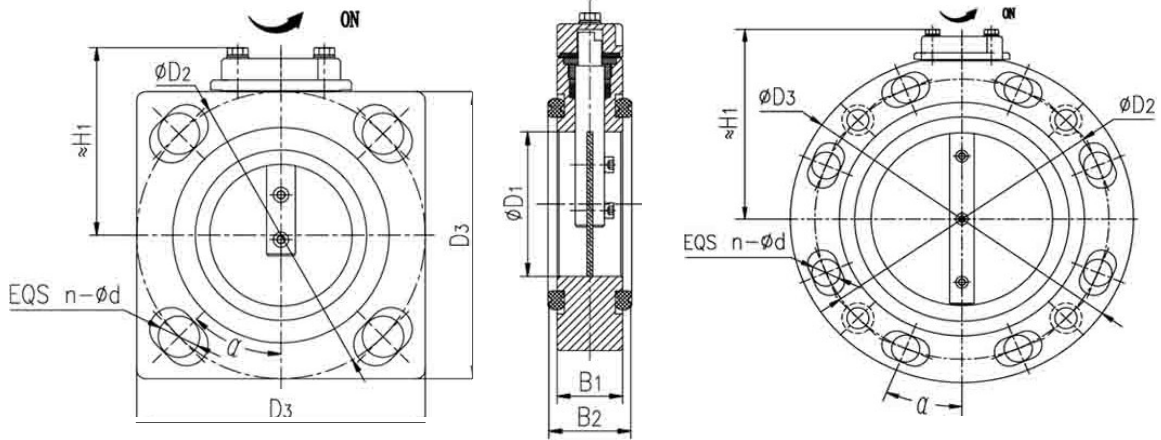
Metal to metal seal butterfly valves

Hard sealed butterfly valves that incorporates a precision machined metallic seal structure. Compared with elastic sealed butterfly valve, metallic sealed butterfly valves can adapt to a higher working temperature, as well as enjoying a longer service life. Because it is very difficult to get full seal without leakage, if pressure tests are performed on this type of valves, you must seal up one end of the butterfly valve before the operation of vacuum-pumping or pressurization. Maximum allowable leakage through flap disc is less than 20cc/minute @ 3m head.



This valve is supplied complete with a unique sealed stem cover cap to insure no leakage at the valve stem area. All valve seal caps are casted aluminum with open and closed indication stamps. These are also incorporated with visual labels for the open and closed positions. Valves can be supplied with padlock features as well.

Assembly Drawing



Size	Part #	D1	D2	D3	B1	B2	H1	D	n=Ød
40	DFBQ-40	40	85	90	32	36	69	45°	4-14mm
50	DFBQ-50	50	125	125	32	39	86.5	45°	4-14mm
80	DFBQ-80-1	80	150	150	36	46	99.5	45°	4-23mm
	DFBQ-80-3	80	160	160	36	46	104.5	45°	4-Ø19
100	DFBQ-100	100	180	220	40	46	129.5	22.5°	8-Ø19
125	DFBQ-125	125	200	235	46	54	139.5	22.5°	8-Ø19
150	DFBQ-150	150	240	280	46	54	162.5	22.5°	8-Ø23
200	DFBQ-200	200	295	335	46	54	190.5	22.5°	8-Ø23
250	DFBQ-250	250	350	395	50	58	225.5	15°	12-Ø23
300	DFBQ-300	300	400	445	60	68	263.5	11.25°	16-Ø24
350	DFBQ-350	350	460	500	70	78	291.5	11.25°	16-Ø24

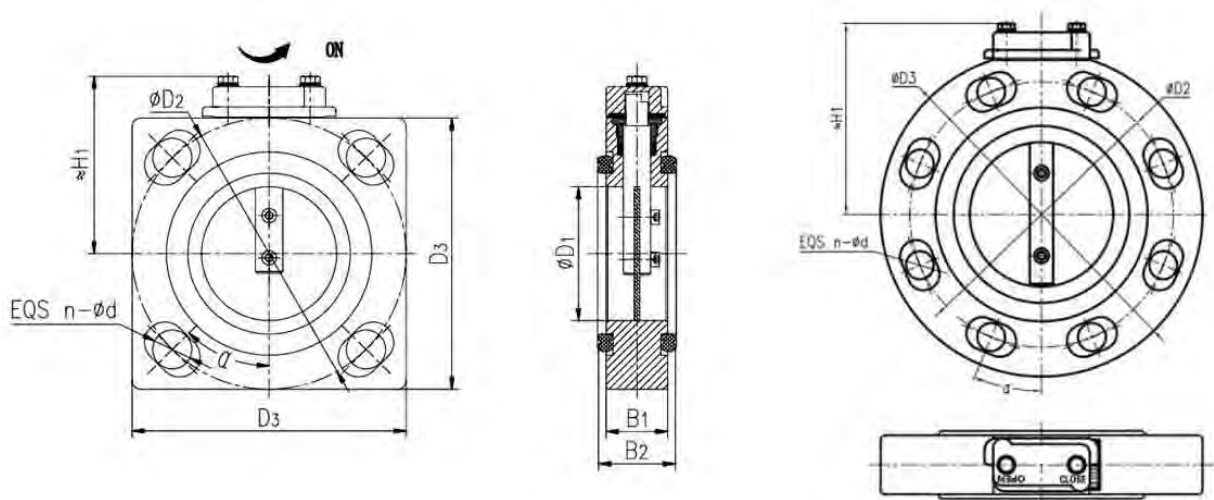
Vacuum butterfly valves

This product is designed to be vacuum tight and allow no-leakage at 0.6 MPa or 87 psig when in the shut position. Operating temperatures between -40°C and +135°C. All valves are 100% pressure tested before packaging and inspected for repetitive operation. The pressure drop across the valve opening is minimal due to the laminar unrestricted oil flow across the sealing disc.



This valve is supplied complete with a unique sealed stem cover cap to insure no leakage at the valve stem area. All valve seal caps are casted aluminum with open and closed indication stamps. These are also incorporated with visual labels for the open and closed positions. Valves can be supplied with padlock features as well.

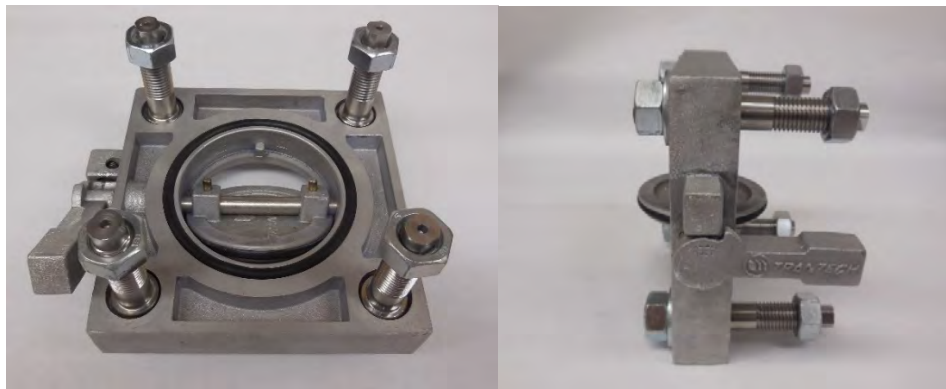
Assembly Drawing



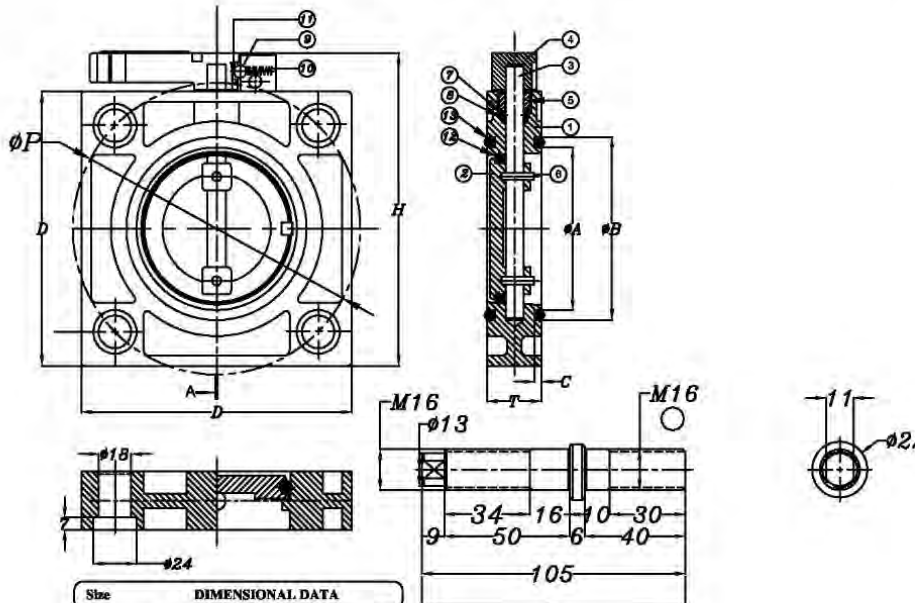
Size	Part #	D1	D2	D3	B1	B2	H1	D	n= Ød
40	DFQ-40	40	85	90	32	36	69	45°	4-14mm
50	DFQ-50	50	125	125	32	39	86.5	45°	4-14mm
80	DFQ-80-1	80	150	150	36	46	99.5	45°	4-23mm
	DFQ-80-3	80	160	160	36	46	104.5	45°	4-Ø19
100	DFQ-100	100	180	220	40	46	129.5	22.5°	8-Ø19
125	DFQ-125	125	200	235	46	54	139.5	22.5°	8-Ø19
150	DFQ-150	150	240	280	46	54	162.5	22.5°	8-Ø23
200	DFQ-200	200	295	335	46	54	190.5	22.5°	8-Ø23
250	DFQ-250	250	350	395	50	58	225.5	15°	12-Ø23
300	DFQ-300	300	400	445	60	68	263.5	11.25°	16-Ø24
350	DFQ-350	350	460	500	70	78	291.5	11.25°	16-Ø24

Aluminum vacuum butterfly valves

This cast aluminum valve is designed to be vacuum tight and allow no-leakage at 0.6 MPa or 87 psig when in the shut position. Operating temperatures between -40°C and +120°C. All valves are 100% pressure tested before packaging. This valve features a thumb actuated handle design and is supplied with 4 x M16 SS mounting studs and O-rings.



Description: Aluminum Throttle Vacuum Valve
Part Number: VNISOVALVE80



Size	DIMENSIONAL DATA						
mm	A	B	C	D	T	H	P
80	89	100.2	3.9	150	30	170	160

Note : The information given in this Sheet is subject to Alteration Without notice.

MATERIALS OF CONSTRUCTION	
1. BODY	ALUMINIUM ALLOY BS: 1490
2. DISC	GR LM 6 ALUMINIUM ALLOY
3. SHAFT	BS: 1490 GR LM 6
4. LEVER	STAINLESS STEEL AISI 304
5. CHECK NUT	ALUMINIUM ALLOY BS: 1490
6. SPRING PIN	GR LM 6
7. "O" RING	BRASS IS: 319 CR-1
8. WASHER	STAINLESS STEEL
9. BALL	NITRILE RUBBER
10. SPRING	STAINLESS STEEL
11. PIN	STAINLESS STEEL
12. "O" RING	NITRILE RUBBER
13. "O" RING	NITRILE RUBBER
14. BOLT	STAINLESS STEEL AISI 431

TEST PRESSURE
 Body 1.5 X PN, Hydrostatic
 Seat 1.0 X PN, Hydrostatic

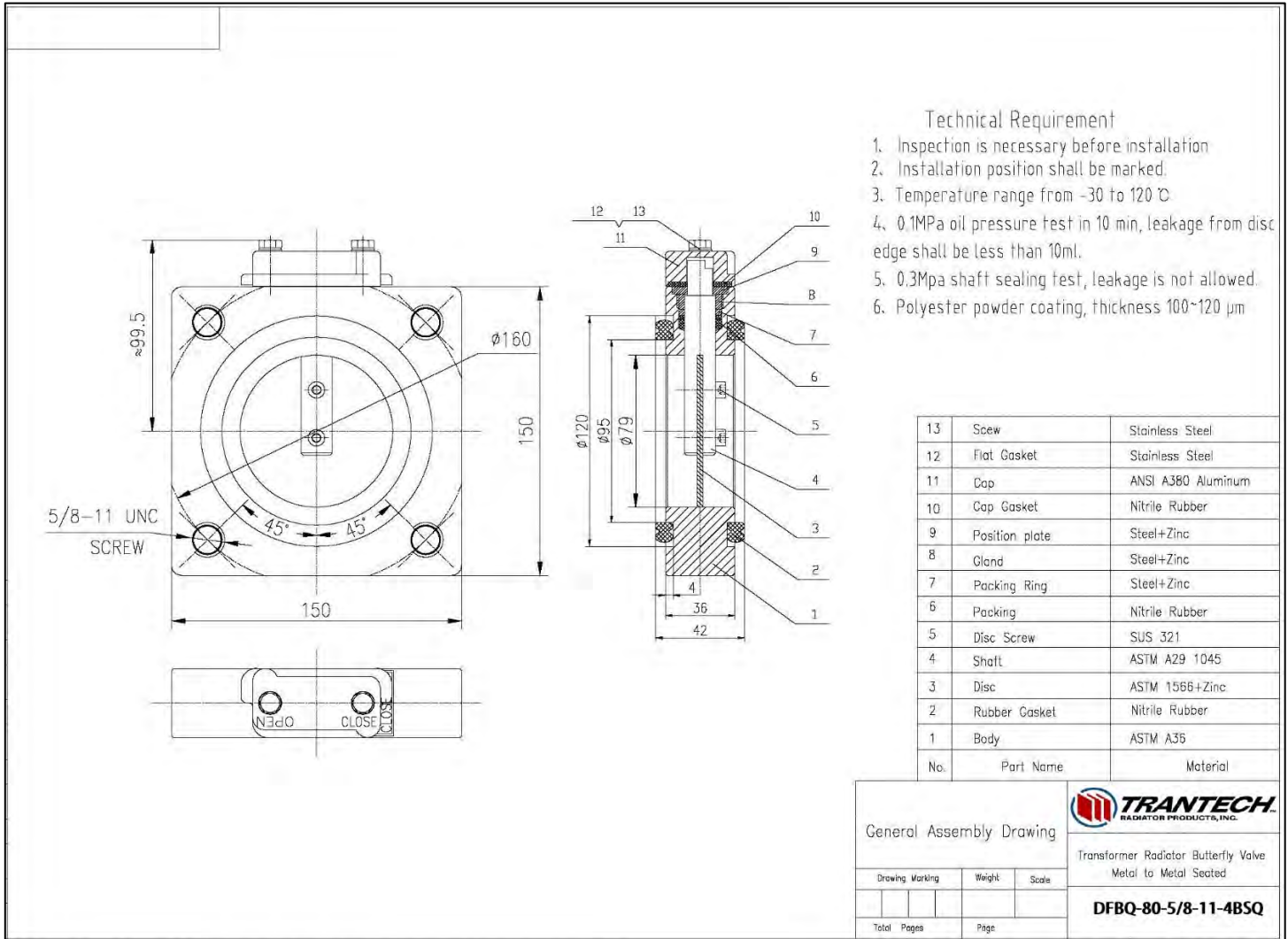
PRESSURE RATING
 Pressure Rating : PN 2.5
 Service Temperature : -55° to 120°C

				PROPERTY OF EDGEFIELD DIVISION, TRANTER INC. AND NOT TO BE REPRODUCED WITHOUT THEIR CONSENT NOR USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF TRANTER, INC.	
				Aluminum Throttle Type Vacuum Valve 80mm /3" - W/O-Rings and M16 Threaded S.S. Mounting Studs	
MARK	REVISION	BY	APPR.	DATE	
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED					
TOLERANCE ON DIMENSIONS UNLESS OTHERWISE SPECIFIED			DRAWN BY ODB		
FRACTIONAL #--- DECIMAL #--- ANGULAR #---			DATE 8/5/14		DATE
REMOVE BURRS AND SHARP EDGES. COMMERCIAL TOLERANCES APPLY FOR GAGES, TURNING AND BAR STOCK				CHECKED AND APPROVED BY	
				PART NO: VNISOVALVE80	
				DWG. NO. B-505797	
				REV.	

Specific OEM transformer butterfly valves

Description: Mitsubishi transformer style valve.

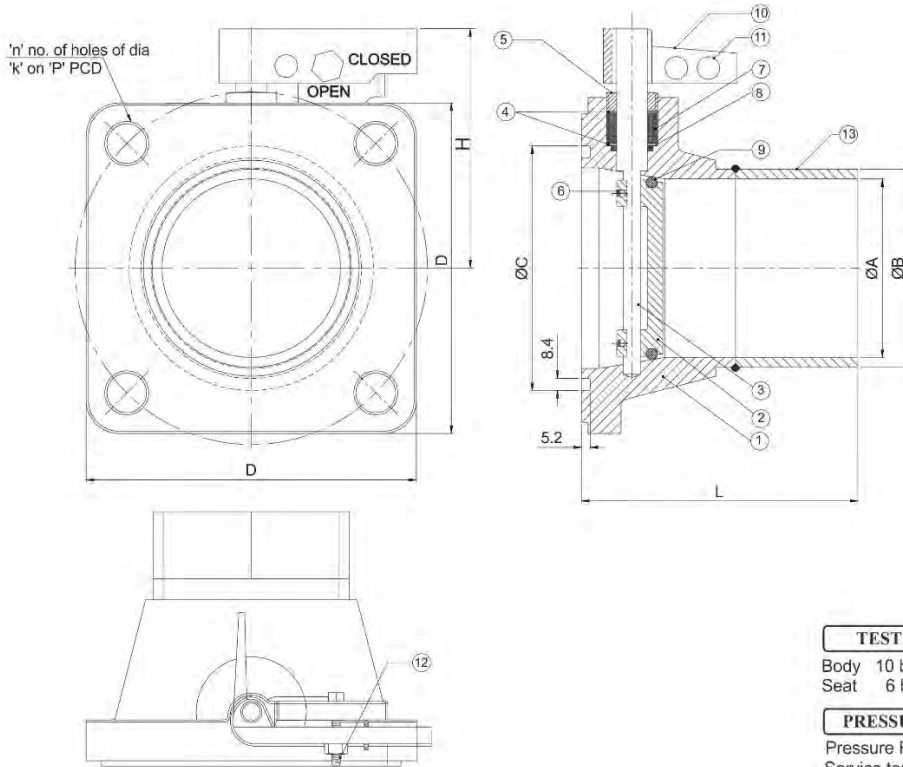
Part Number: DFQ-80-5/8-11-4BSQ



Description: Weld-On 80mm vacuum type valve for various ABB, VT, Delta Star and others.

Part Number: VN105326

FORGED STEEL VALVE



MATERIAL OF CONSTRUCTION

1. BODY	FORGED STEEL ASTM A-105
2. DISC	FORGED STEEL ASTM A-105
3. SHAFT	SS GRADE AISI 304
4. WASHER	BRASS
5. CHECK NUT	BRASS
6. PIN	STAINLESS STEEL
7. PACKING	NITRILE RUBBER
8. 'O' RING	NITRILE RUBBER
9. 'O' RING	NITRILE RUBBER
10. HANDLE	BRONZE
11. CAP SCREW	GALVANIZED IRON
12. HEX BOLT	GALVANIZED IRON
13. PIPE	MILD STEEL

The valve is painted for offshore application with specification sheet SP/007/01 dt 01/07/14

TEST PRESSURE

Body 10 bar, Hydrostatic
Seat 6 bar, Hydrostatic

PRESSURE RATING

Pressure Rating : PN : 3 bar
Service temperature : -20°C to 120°C

Size DIMENSIONAL DATA

mm	A	B	C	D	H	L	P	n	k
80	78	88.9	127.4	150	115	149.9	160	4	22



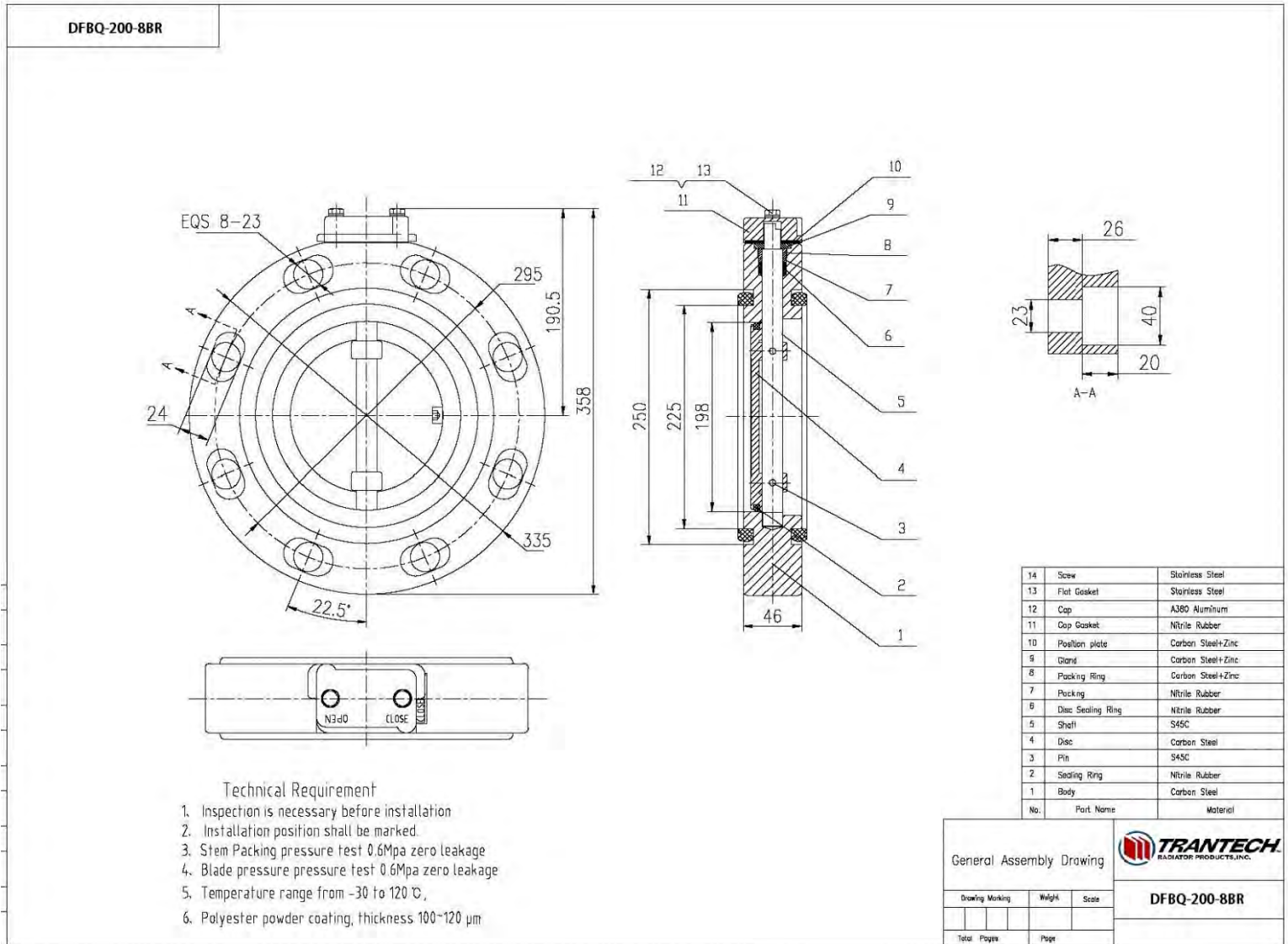
Part No: VN105326

Weld-On 80mm Vacuum Type Valve
Lever Style w / O-ring
C-5 Marine Grade Finish

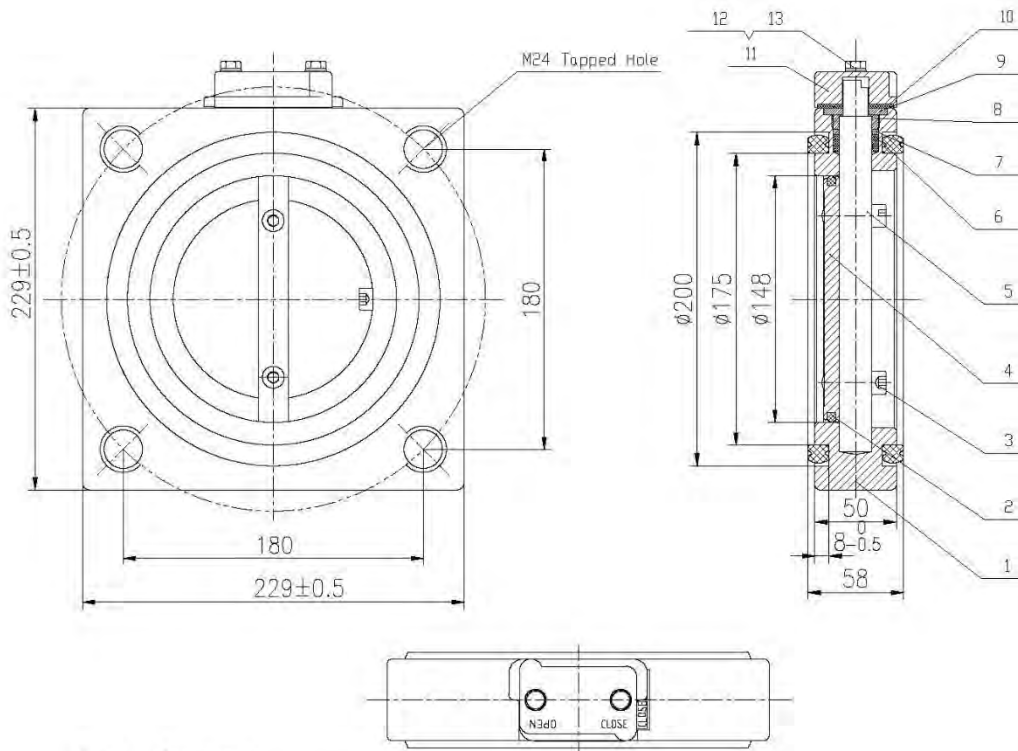
Legacy transformer butterfly valves

Description: Westinghouse transformer replacement valve for 200mm/8"

Part Number: DFBQ-200-8BR



Description: GE transformer replacement valve for 150MM/6" square style
Part Number: BDB-150-4BSQ-GE



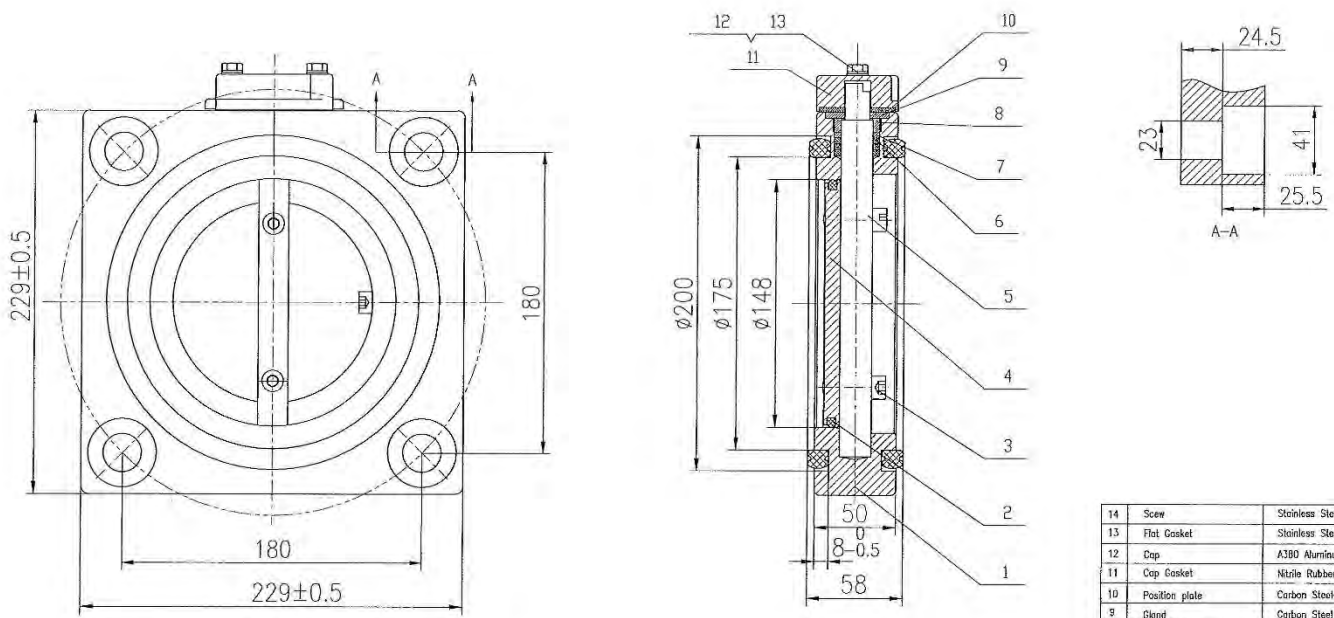
No.	Part Name	Material
14	Seal	Stainless Steel
13	Flat Gasket	Stainless Steel
12	Cap	A380 Aluminum
11	Cap Gasket	Nitrile Rubber
10	Position plate	Carbon Steel+Zinc
9	Gland	Carbon Steel+Zinc
8	Packing Ring	Carbon Steel+Zinc
7	Packing	Nitrile Rubber
6	Disc Sealing Ring	Nitrile Rubber
5	Shaft	S45C
4	Disc	Carbon Steel+Zinc
3	Pin	S45C
2	Sealing Ring	Nitrile Rubber
1	Body	Carbon Steel

Technical Requirement

1. Inspection is necessary before installation
2. Installation position shall be marked.
3. Stem Packing pressure test 0.6Mpa zero leakage
4. Blade pressure pressure test 0.6Mpa zero leakage
5. Temperature range from -30 to 120 ℃,
6. Polyester powder coating, thickness 100-120 μm

General Assembly Drawing			
Drawing Marking	Weight	Scale	
Total Page	Page		BDB-150-4BSQ-GE

Description: GE transformer replacement valve for 150MM/6" square w/ stud recess
Part Number: BDB-150-MEV



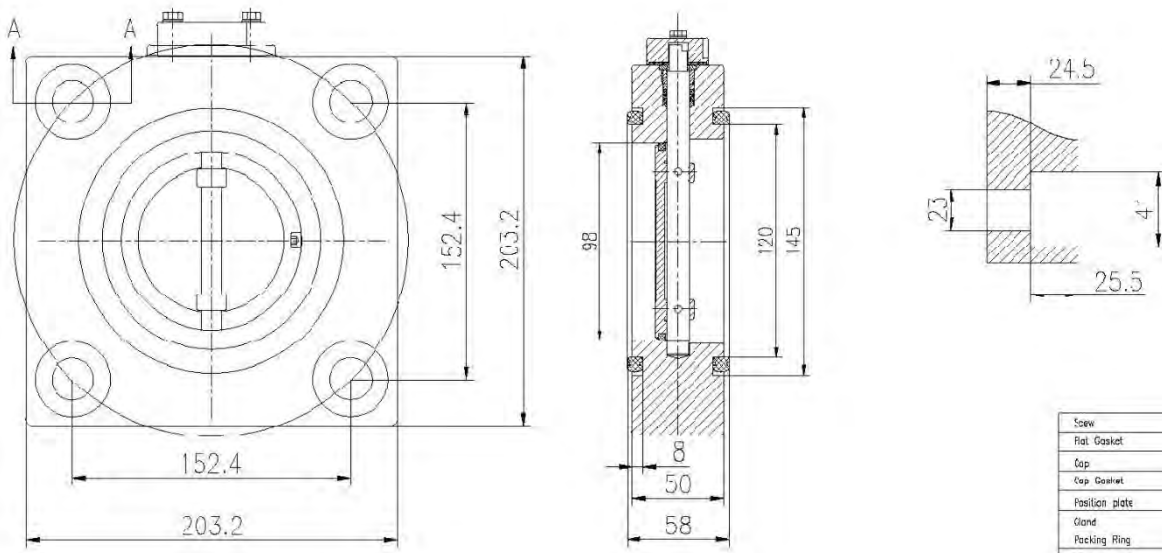
No.	Part Name	Material
14	Screw	Stainless Steel
13	Flat Gasket	Stainless Steel
12	Cap	A380 Aluminum
11	Cap Gasket	Nitrile Rubber
10	Position plate	Carbon Steel+Zinc
9	Gland	Carbon Steel+Zinc
8	Packing Ring	Carbon Steel+Zinc
7	Packing	Nitrile Rubber
6	Disc Sealing Ring	Nitrile Rubber
5	Shaft	S45C
4	Disc	Carbon Steel
3	Pin	S45C
2	Sealing Ring	Nitrile Rubber
1	Body	Carbon Steel

Technical Requirement

1. Inspection is necessary before installation
2. Installation position shall be marked.
3. Stem Packing pressure test 0.6Mpa zero leakage
4. Blade pressure pressure test 0.6Mpa zero leakage
5. Temperature range from -30 to 120 ℃,
6. Polyester powder coating, thickness 100-120 μm

General Assembly Drawing			
Drawing Marking	Weight	Scale	
Total Pages	Page	BDB-150-MEV	

Description: GE transformer replacement valve for 100MM/4" square w/ stud recess
Part Number: BDB-100-MEV



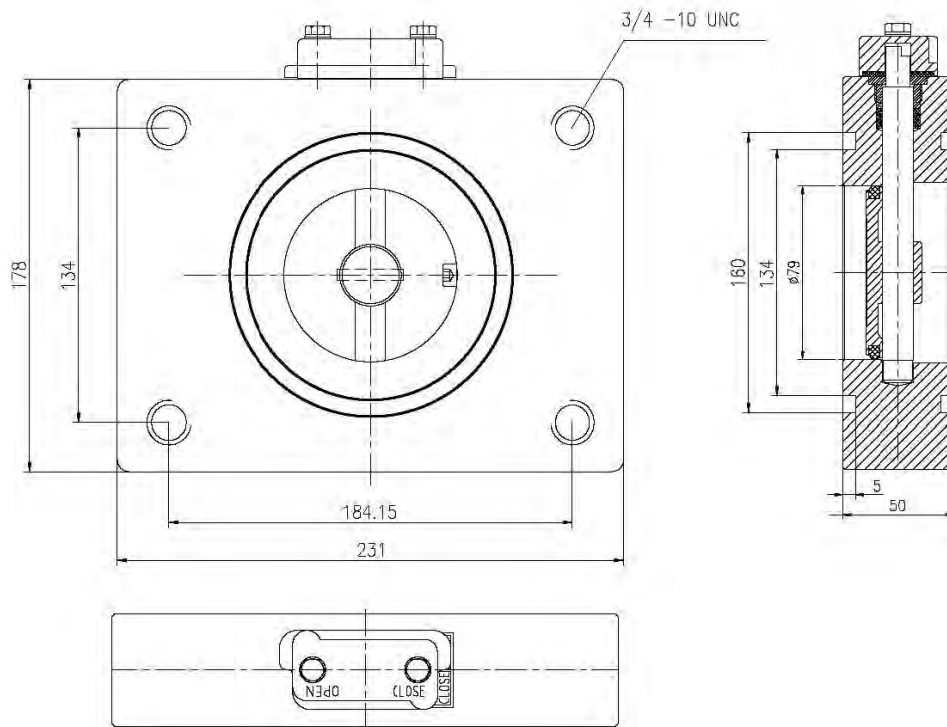
Technical Requirement

1. Inspection is necessary before installation
2. Installation position shall be marked
3. Stem Packing pressure test 3.6Mpa zero leakage
4. Blade pressure pressure test 3.6Mpa zero leakage
5. Temperature range from -30 to 120 °C,
6. Polyester powder coating, thickness 100-120 μm

Screw	Stainless Steel
Flat Gasket	Stainless Steel
Cap	A380 Aluminum
Cap Gasket	Nitrile Rubber
Position plate	Carbon Steel
Gland	Carbon Steel+Zinc
Packing Ring	Carbon Steel+Zinc
Packing	Nitrile Rubber
Use Sealing Ring	Nitrile Rubber
Shaft	S45C
Disc	Carbon Steel
Pin	S45C
Sealing Ring	Nitrile Rubber
Body	Carbon Steel
Part Name	Material

General Assembly Drawing			
Drawing Marking	Weight	Scale	
			Butterfly Valve for Transformer
Total Pages	Page	BDB-100-MEV	

Description: Westinghouse transformer replacement valve - Rectangular
Part Number: WBFV-DN80

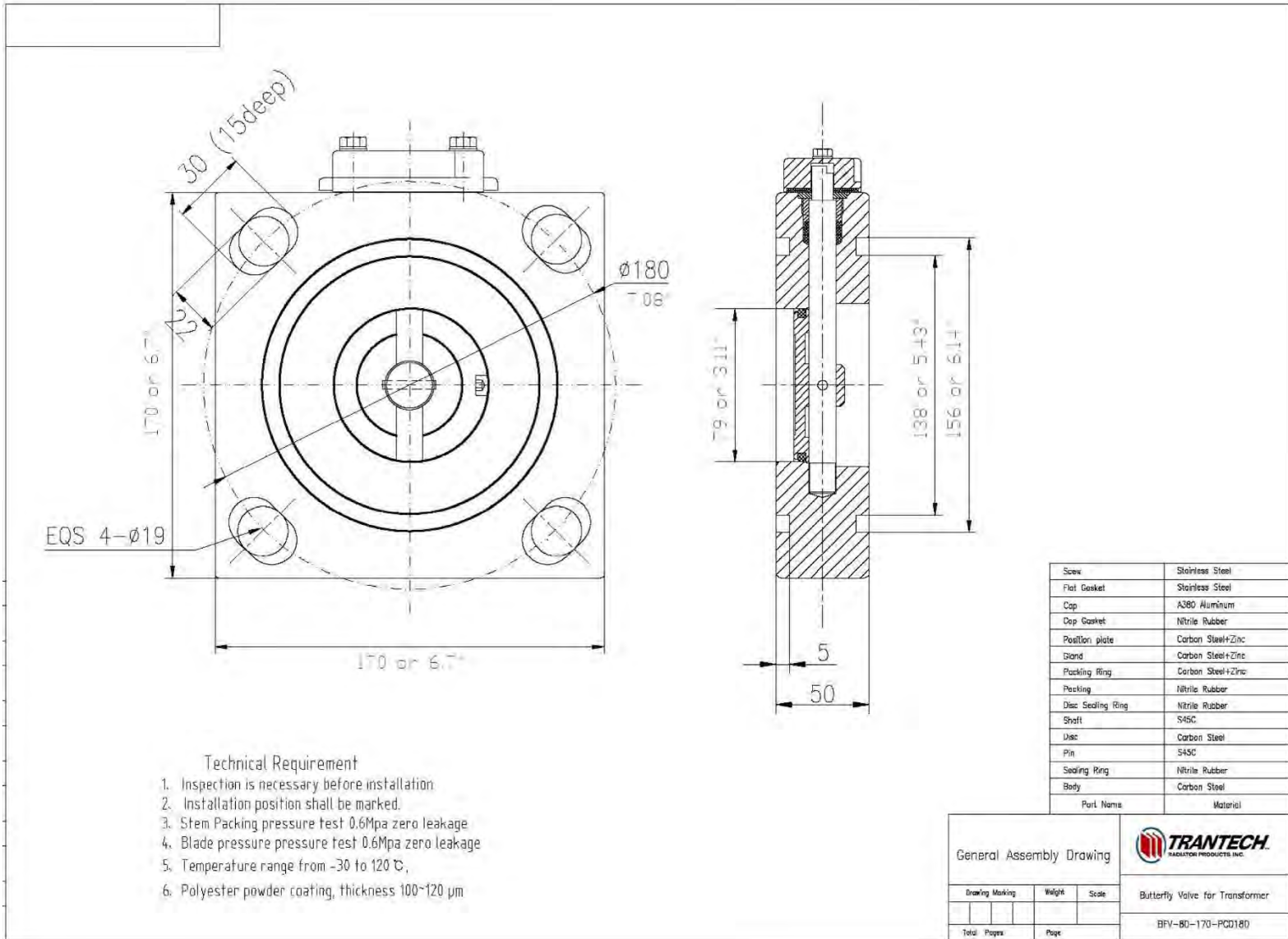


Technical Requirement

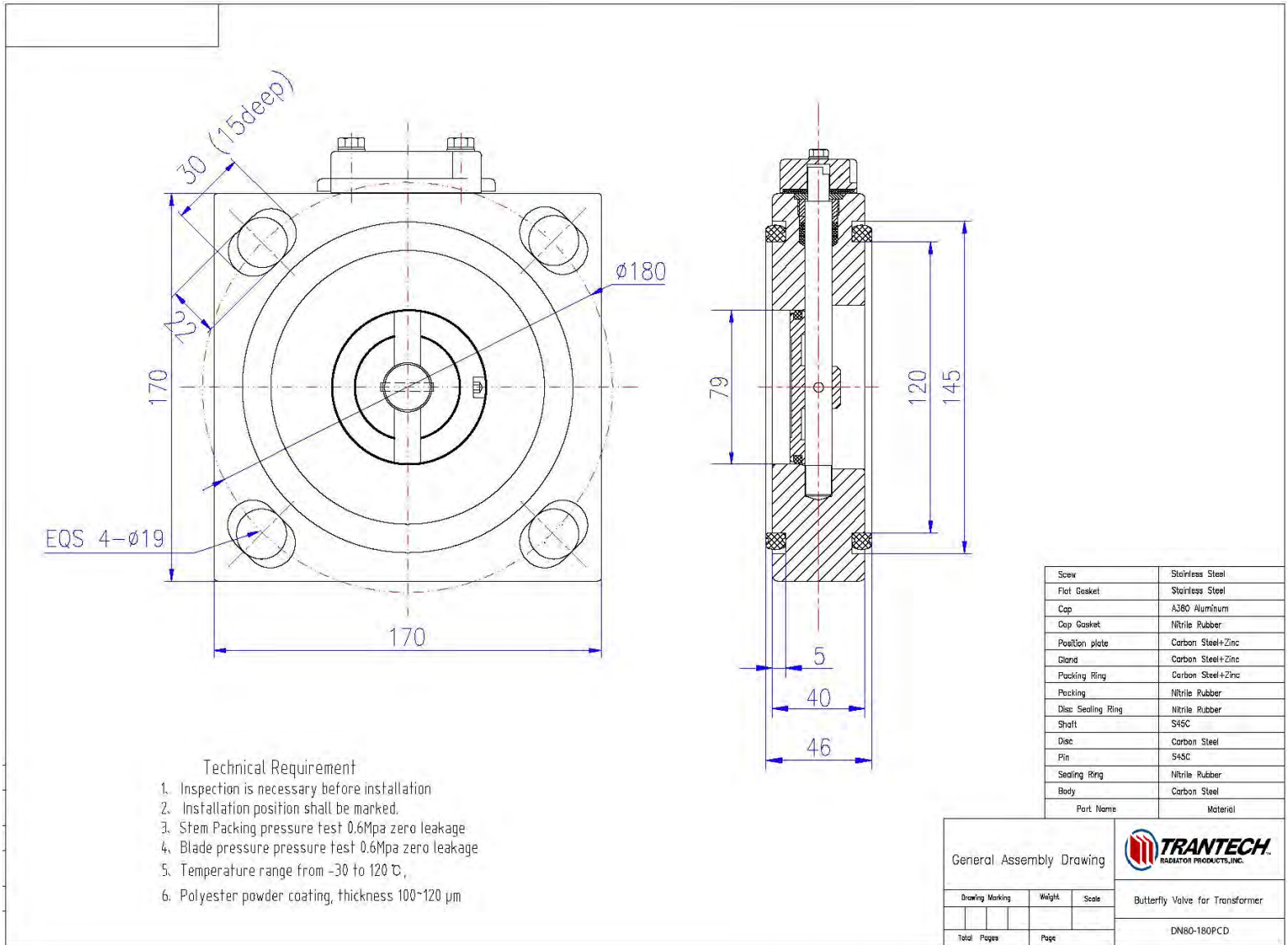
1. Inspection is necessary before installation
2. Installation position shall be marked
3. Stem Packing pressure test 0.6Mpa zero leakage
4. Blade pressure pressure test 0.6Mpa zero leakage
5. Temperature range from -30 to 120 °C
6. Polyester powder coating, thickness 100-120 μm

General Assembly Drawing			
			Butterfly Valve
			WBFV-DN80

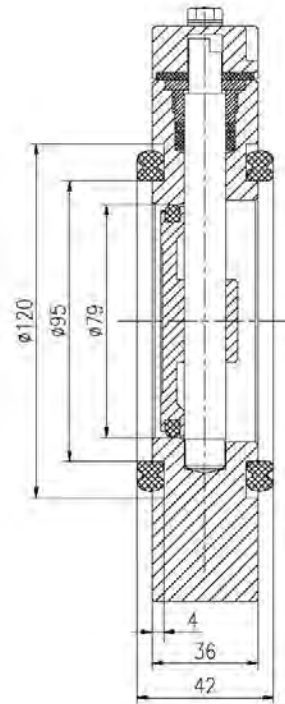
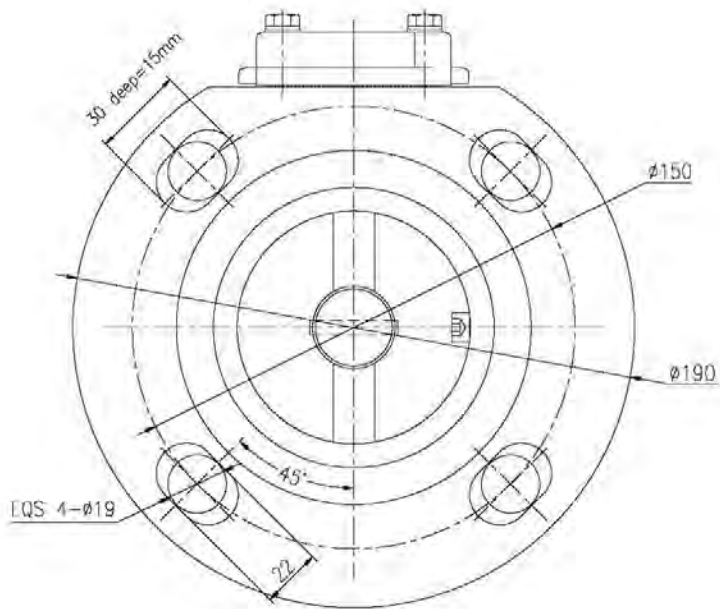
Description: Ferranti Packard, VA Tech, and Siemens transformer replacement valve
Part Number: BFV-80-170-PCD180 (Large O-Ring)



Description: Ferranti Packard, VA Tech, and Siemens transformer replacement valve
Part Number: DN-80-180PCD




Description: Various European designed transformers
Part Number: BFV-80-R190-PCD150



Technical Requirement

1. Inspection is necessary before installation
2. Installation position shall be marked
3. Stem Packing pressure test: 0.6Mpa zero leakage
4. Blade pressure pressure test: 0.6Mpa zero leakage
5. Temperature range from -30 to 120 °C.
6. Polyester powder coating, thickness 100-120 µm

Stem	Stainless Steel
Flcl Gasket	Stainless Steel
Cap	A380 Aluminum
Cap Gasket	Nitrile Rubber
Position plate	Carbon Steel+Zinc
gland	Carbon Steel+Zinc
Packing Ring	Carbon Steel+Zinc
Packing	Nitrile Rubber
Disc Sealing Ring	Nitrile Rubber
Shaft	S45C
Disc	Carbon Steel+Zinc
Fla	S45C
Sealing Ring	Nitrile Rubber
Body	Carbon Steel
Part Name	Material

General Assembly Drawing			 BUTTERFLY VALVE FOR TRANSFORMER
Drawing Marking	Weight	Scale	
Total Page	Page		BFV-80-R190-PCD150

Valves and Flanges for custom and specialty applications

Trantech has the unique ability to design valves and flanges for new applications and replacements on legacy units. Working with our customers to replace legacy valves is something that we specialize in. We offer various base materials and coatings as well as improvements to older designs. If you have a new application for design or development, we will be glad to help you with this need also. We can assist with valves, flanges, valve spacers, hardware and more. Contact our engineering department for assistance.



Other Valves and Sampling Devices

Description: 3 Way Ball Valves – Stainless Steel

Part Numbers: BV3WNPT-1/2-SS-? (Port Type)
 BV3WNPT-3/4-SS-? (Port Type)
 BV3WNPT-1-SS-? (Port Type)

3 Way Ball Valve in "T" or "L" Port

Material: Stainless Steel or Brass



NPT	d	H	E	L	L1	ISO5211	S
1/2"	12	65	125	72	36	F03 F04	9

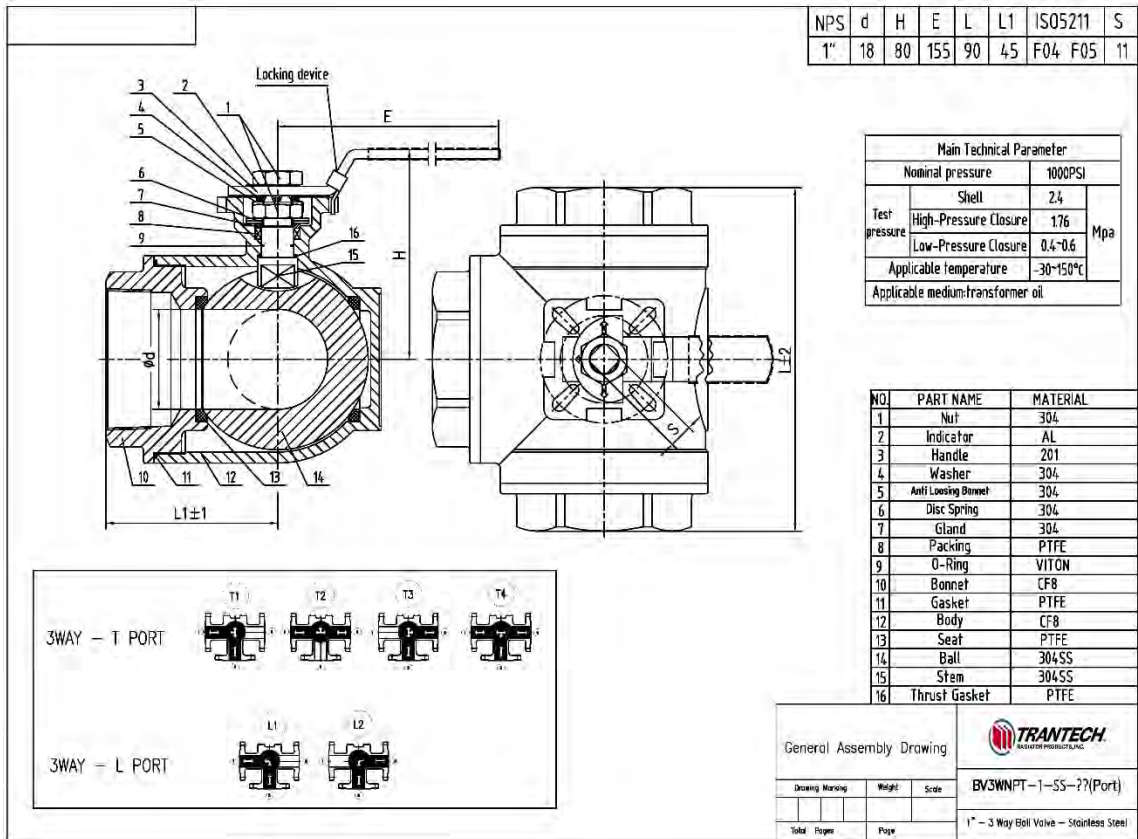
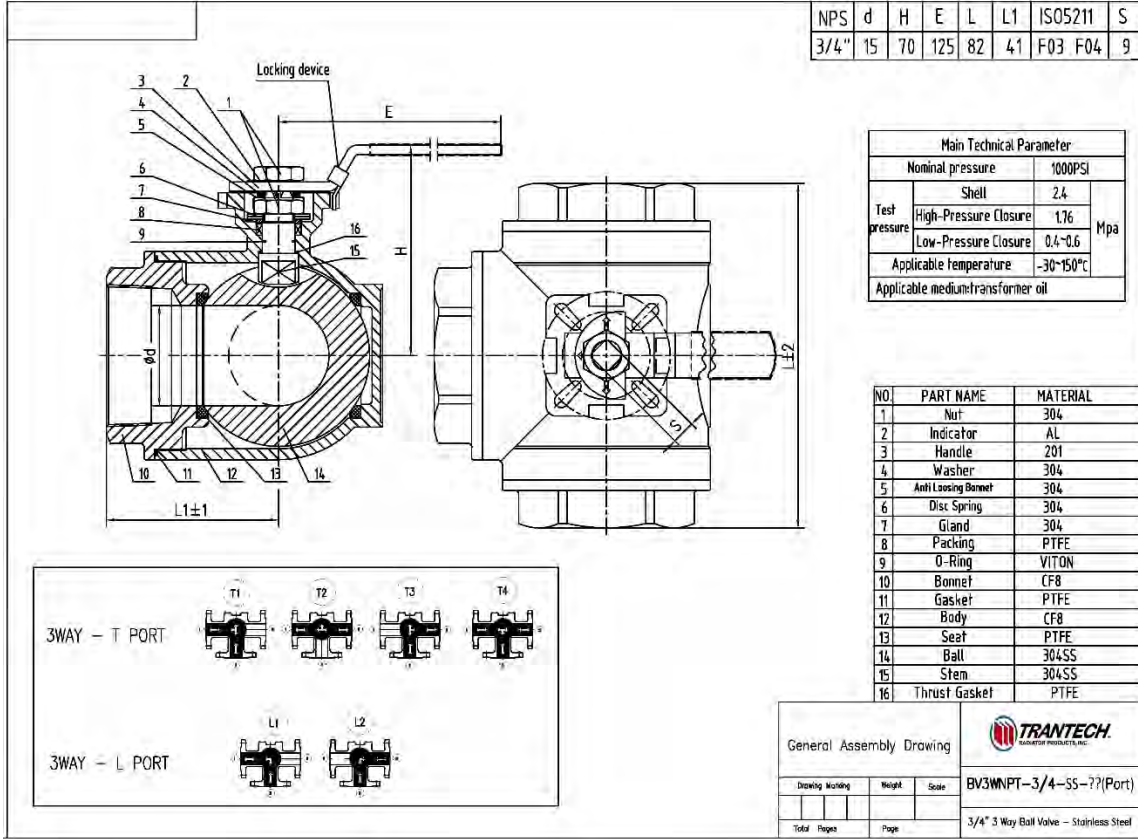
Main Technical Parameter			
Nominal pressure		1000PSI	
Test pressure	Shell	2.4	Mpa
	High-Pressure Closure	1.76	
	Low-Pressure Closure	0.4-0.6	
Applicable temperature		-30-150°C	
Applicable medium:transformer oil			

NO.	PART NAME	MATERIAL
1	Nut	304
2	Indicator	AL
3	Handle	201
4	Washer	304
5	Anti Loosing Bonnet	304
6	Disc Spring	304
7	Gland	304
8	Packing	PTFE
9	O-Ring	VITON
10	Bonnet	CF8
11	Gasket	PTFE
12	Body	CF8
13	Seat	PTFE
14	Ball	304SS
15	Stem	304SS
16	Thrust Gasket	PTFE

3WAY – T PORT

3WAY – L PORT

General Assembly Drawing			
Drawing Marking	Weight	Scale	
Total Pages	Page	1/2" NPT - 3 Way Ball Valve - Stainless Steel	



Description: 2 Way Ball Valves – Stainless Steel

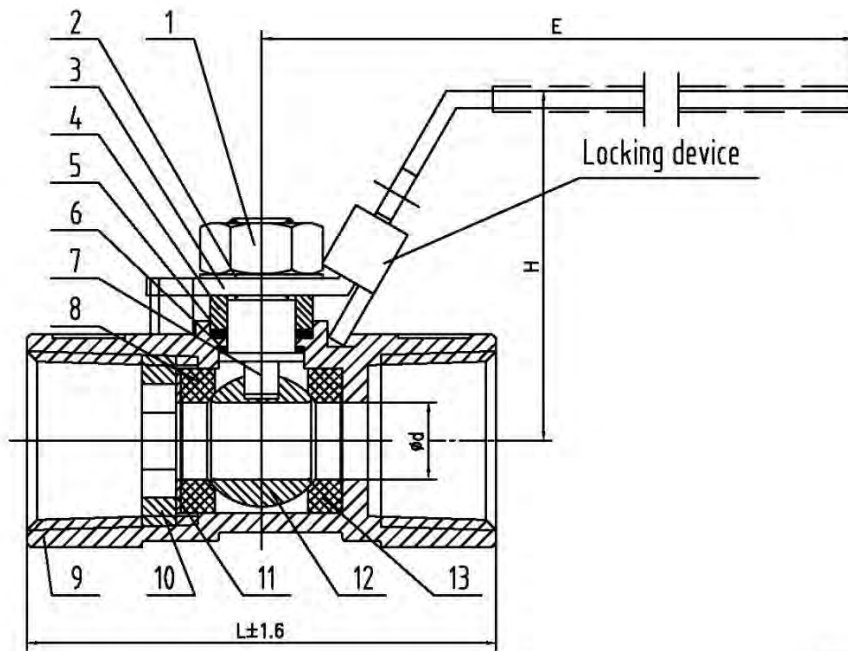
Part Numbers: BV2W-3/4-SS

2 Way Ball Valve w/ Handle Locking Device

Material: Stainless Steel or Brass



NPS	d	L	H	E
3/4"	12	59	38	100



Main Technical Parameter		
Nominal pressure		1000PSI
Test pressure	Shell	2.4
	High-Pressure Closure	1.76
	Low-Pressure Closure	0.4~0.6
Applicable temperature		-30~150°C
Applicable medium: transformer oil		

NO.	PART NAME	MATERIAL
1	Nut	304
2	Spring washer	AL
3	Handle	201
4	Gland	304
5	Packing	304
6	Thrust Gasket	304
7	Stem	304
8	Seat	PTFE
9	Body	VITON
10	Lock Nut	CF8
11	Washer	PTFE
12	Ball	304

3/4" NPT Ball Valve - SS		
Drawing Marking	Weight	Scale
Total Pages	Page	

Description: Globe Valve with Oil Sampling Device

Part Numbers: GVSD-1-B, GVSD-1-SS, GVSD-2-B and GVSD-2-SS

Globe Valve 1" & 2" with Oil Sampling Device

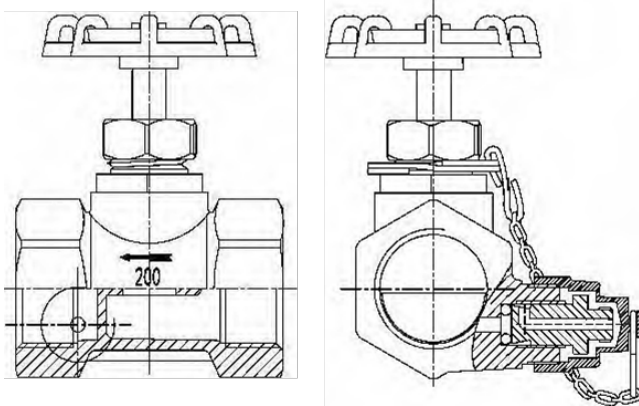
Device Material: Stainless Steel , Brass.

The advantage of our oil sampling device:

1. Installed with the globe drain valve, taking oil samples is more convenient
2. With protective cover, keeps sampling area clean and safe.
3. Reduces air entering into the transformer during oil sampling.
4. Increases the accuracy of your oil samples utilizing this method.
5. Can be directly mounted on your transformer or radiators.



Notice: Please make sure the transformer tank is under positive pressure at the sampling site before you take oil samples.



Parts List

Part No:	Description	Material and Specifications
1	Valve Body	Forged Brass or CF8 SS
2	Handle Nut	Brass or SS w/ Loctite 290 applied
3	Disc	Teflon
4	Stem	Brass or SS
5	Hand Wheel	
6	Packing Nut	Brass or SS w/ Loctite and Viton "O" Ring/Teflon Washer
7	Disc Nut	Brass or SS w/ Loctite 290 applied
8	Drain Fitting	Brass or SS w/ Viton "O" Ring
9	3/8" Sampler	Brass or SS
10	Chain	Brass

Description: Oil Sampling Device

Part Numbers: SD-1/2-B, SD-3/8-B, SD-1/2-SS, SD-3/8-SS

Oil Sampling Device sizes 3/8" or 1/2"

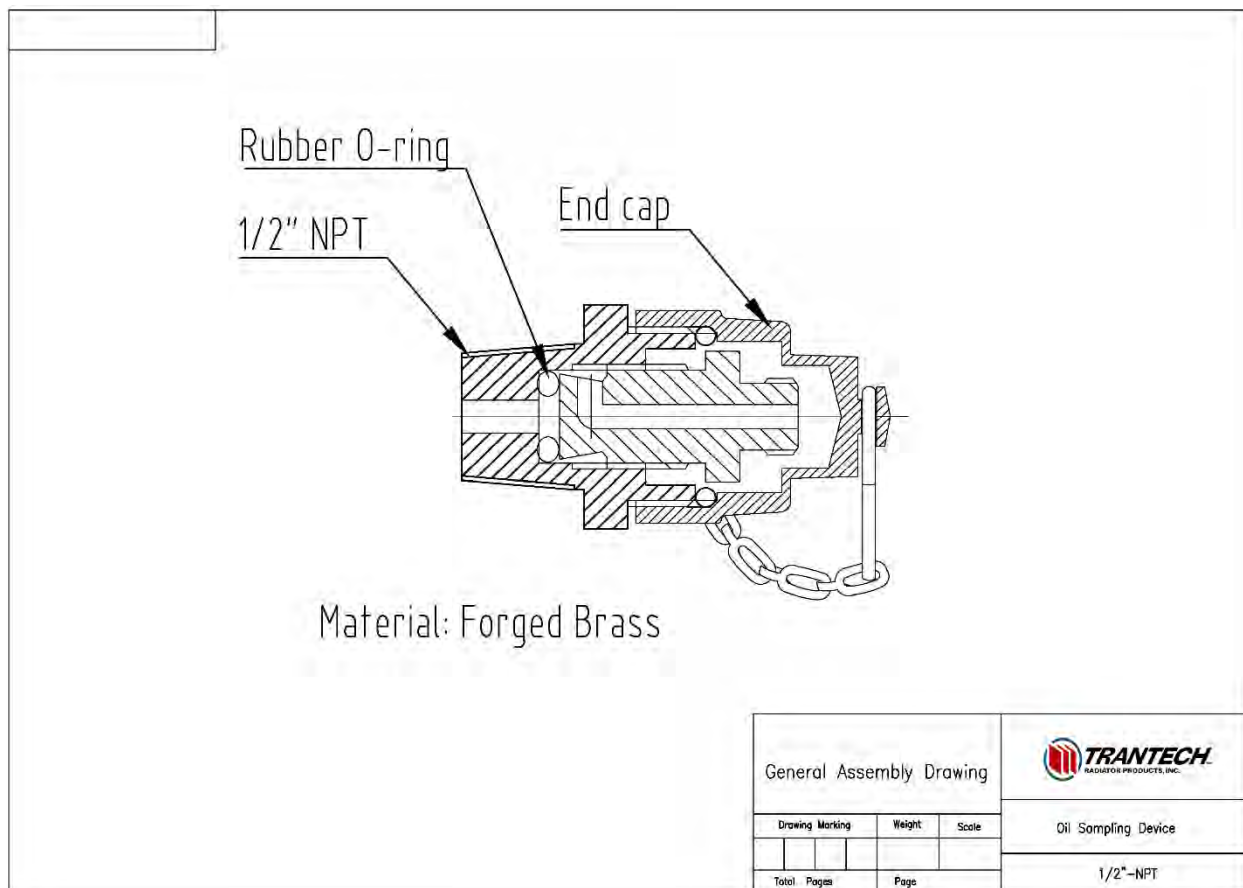
Device Material: Brass or Stainless Steel

The advantages of our oil sampling device:

1. Supplied with protective cover to keep sampling area clean and safe.
2. Reduces air entering into the transformer during oil sampling.
3. Increases the accuracy of your oil samples utilizing this method.
4. NPT threading for various uses.
5. Can be used with flange, ball valve or globe valve applications that have NPT female threads.



Notice: Please make sure the transformer tank is under positive pressure at the sampling site before you take oil samples.





For more information and assistance please contact the Trantech Sales / Engineering Dept.

sales@trantechradiators.com

Phone: 803-637-3166