



dixonvalve.com

Customer Service
800.789.1718

DX60-Series Tanker Valve



Used on food-grade and dairy stainless steel bulk transport trailers to safely and hygienically load and unload various products including milk, juices, chocolate, glycerin, and many types of food-grade oils.

These valves are found in the tanker manufacturing and repair/replacement markets

Sizes

- 3", 6" x 6", 6" x 4", 6" x 3" (other sizes available upon request)

Features

- Drop-in replacement for other 60TTF valves on the market
- Durable valve body machined from bar
- Lip seal provides fluid-tight seal whether the plunger is open or closed
 - Cycle tested to over 70,000 cycles
- Easy-lock plunger for locking valve in open position with no external clips needed
- Patented closure system to eliminate the pinch point that may result in injury on competitor's valves
- Bonnet design uses standard sanitary clamps for easy removal without the need of tools

Materials

- Product contact metal components: 304 stainless steel
- Non-product contact metal components: see BOM for individual component materials
- Product contact seals: FKM or nitrile rubber (FDA 21CFR177.2600 & 3A 18-03 Class I)

Specifications

- Standard connections
 - 3" Flange with ANSI B16.5 class 150# flange bolt circle x 3" sanitary male threaded bevel seat
 - 6" sanitary tri-clamp flange x 3" sanitary male threaded bevel seat adapter
 - 6" sanitary tri-clamp ferrule x 6" 90° outlet tri-clamp ferrule
 - Other connection types available upon request
- Valve data
 - Maximum product line pressure: **75 PSI (5.17 Bar)**
 - Maximum operating temperature: **212°F (100°C)**
 - Minimum operating temperature: **-20°F (-29°C)**
 - Maximum ambient temperature: **140°F (60°C)**
- Surface finish
 - Product contact metal components: ≤ 32 Ra
 - Non-product contact metal components: ≤ 63 Ra
- Cleaning method: 3A certified for clean-in-place (CIP) and clean-out-of-place (COP)



Aluminum cover with lanyard style cover nut



Aluminum cover with 5/8" UNC threaded post and nut



Optional plunger with freeze rod

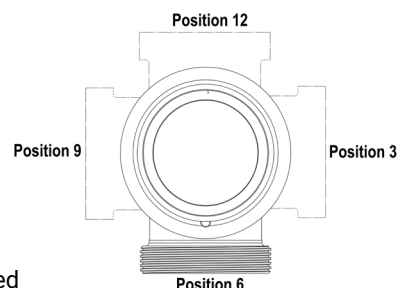
DX60-Series Tanker Valve - Part Number Key

DX60-Series Hygienic Tanker Valve Part Number Key Example: DX603010A1GV1_		Series	Valve Body				Material	Seat Material	Valve Cover	Options
		DX60	30	10	A	1	G	V	1	
Series	Code									
DX60	DX60									
Valve Size	Code									
3" x 3"	30									
3" x 3" (at position 6) 2" (at position 3, 9, or 12)	32									
3" x 3" (at position 6) 2-1/2" (at position 3, 9, or 12)	35									
6" x 3" (at 3, 6, 9, or 12)	63N									
6" x 6" (90° outlet)	60									
Valve Body Style	Code									
L (2-port shut-off) position 6	10									
Multiport (3-port shut-off) positions 6 and 3	20									
Multiport (3-port shut-off) positions 6 and 9	30									
Multiport (3-port shut-off) positions 6 and 12	40									
Surface Finish	Code									
32 Ra (I.D. mech polish)	A									
Connections (Trailer x Outlet)	Code									
Flange x male threaded bevel ¹	1									
Plain bevel x male threaded bevel	2									
Ferrule x ferrule ²	3									
Wetted Parts Material	Code									
304 stainless steel	G									
316L stainless steel	R									
Seat Material	Code									
FKM	V									
Black nitrile rubber	B									
White nitrile rubber ³	W									
Valve Dust Cover	Code									
Aluminum with lanyard style cover nut	1									
No cover	2									
Aluminum with 5/8" UNC threaded post and nut	3									
Options	Code									
None	blank									
No bevel seat nut or cap	A									
Plunger with freeze rod	R									
Body clamp with 13WNH hex nut	X									
Body clamp with 13WNH hex nut and no bevel seat nut or cap	Y									
Body clamp with 13WNH hex nut, plunger with freeze rod, and no bevel seat nut or cap	Z									

¹Flange is a triclamp ferrule style connector when used with valve size code 63N

²Option is only available for valve size code 60

³Only the plunger and bonnet seals will be supplied with the white elastomer

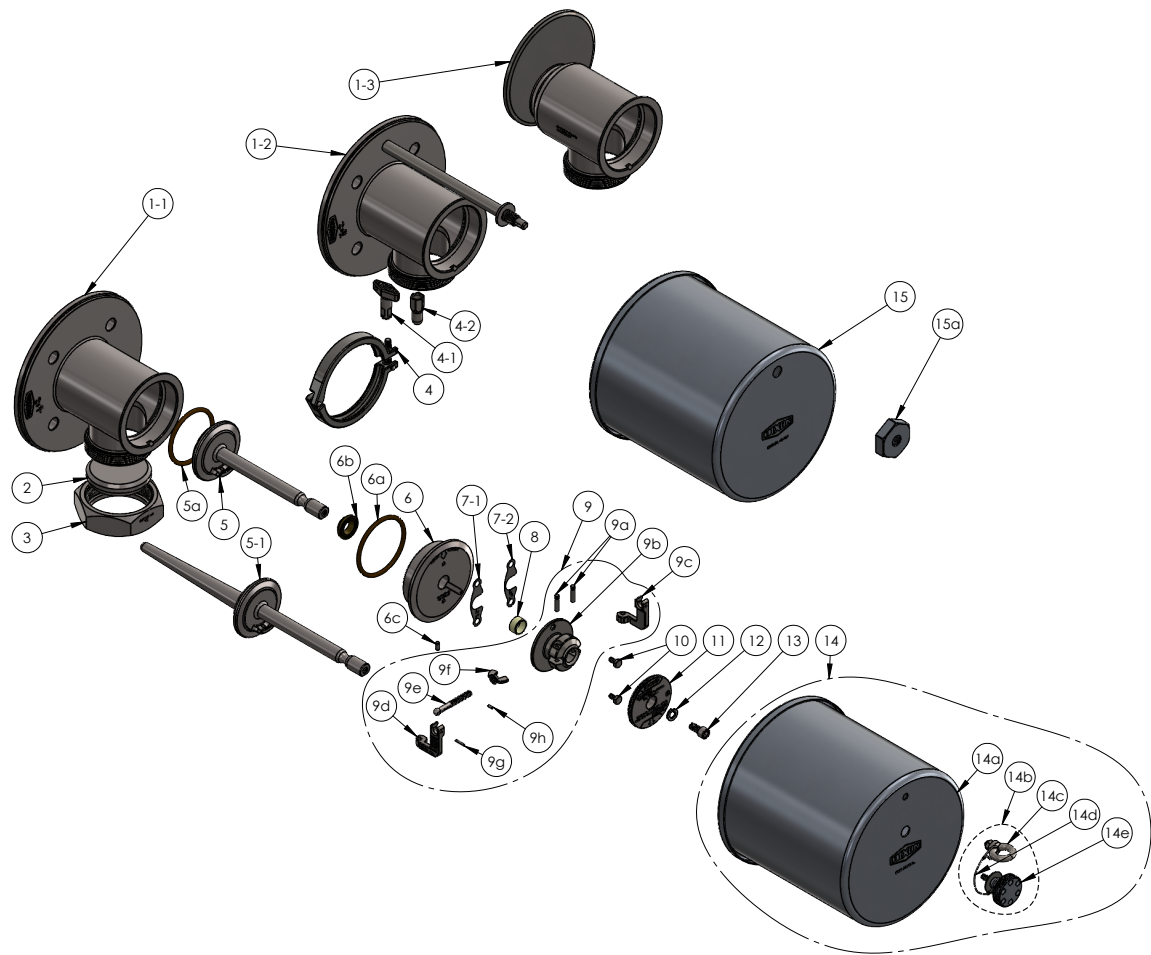


NOTE: For other sizes and configurations not listed, please contact the Dixon engineering department by emailing sanitaryengineering@dixonvalve.com or give us a call at 800.789.1718.

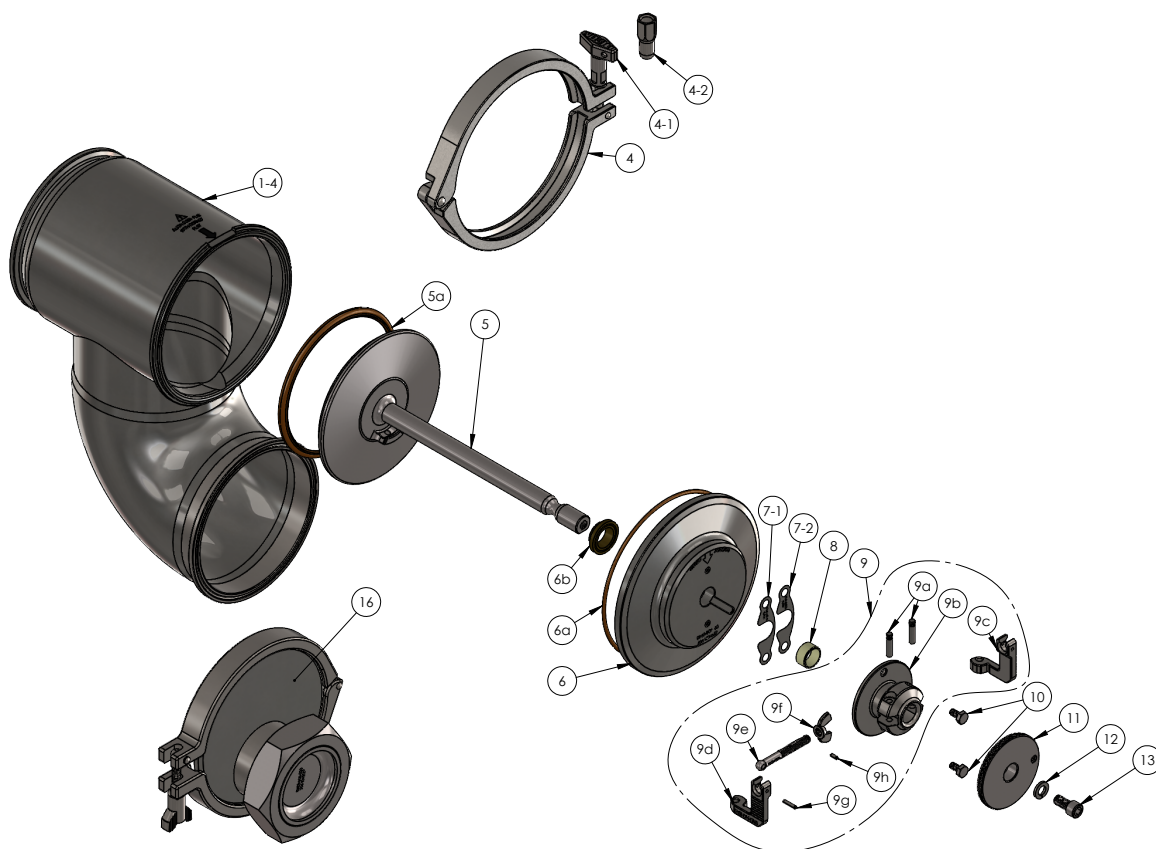
DX60-Series Tanker Valve - Standard Valve Part Numbers

Size	Connections	Cover Style	Freeze Rod	Material	Weight (lbs)	Part #
3"	150# flange x male threaded bevel seat	with aluminum cover (lanyard style dust cover)	with freeze rod	304, nitrile rubber	28.0	DX603010A1GB1R
				304, FKM	28.0	DX603010A1GV1R
			without freeze rod	304, nitrile rubber	27.0	DX603010A1GB1
				304, FKM	27.0	DX603010A1GV1
		with aluminum cover (5/8" UNC threaded post and nut)	with freeze rod	304, nitrile rubber	30.5	DX603010A1GB3R
				304, FKM	30.5	DX603010A1GV3R
			without freeze rod	304, nitrile rubber	29.4	DX603010A1GB3
				304, FKM	29.4	DX603010A1GV3
		without aluminum cover	with freeze rod	304, FKM	26.4	DX603010A1GV2R
				304, nitrile rubber	26.4	DX603010A2GB2R
			without freeze rod	304, nitrile rubber	25.4	DX603010A1GB2
				304, FKM	25.4	DX603010A1GV2
6" x 3"	6" tri-clamp x 3" male threaded bevel seat	without aluminum cover	without freeze rod	304, FKM	25.4	DX6063N10A1GV2
				304, nitrile rubber	19.9	DX6063N10A1GB2
6"	6" ferrule x 6" 90° outlet ferrule	without aluminum cover	without freeze rod	304, FKM	-	DX606010A3GV2

DX60-Series Tanker Valve - Bill of Materials



DX60-Series Tanker Valve - Bill of Materials



Part Type	Item #	Description	Part #		Material	Qty
			DX6030 DX6063N	DX6060		
Body housing	1-1	DX6030 body, 3" x 3" male bevel seat	DX60-BDY-30	-	304 (standard)	1
			DX60-BDY-30R	-	316L (optional)	1
	1-2	DX6030 body ^{COVER} , 3" flange x 3" male bevel seat with 5/8" UNC post for cover	DX60-BDY-30P	-	304 (standard)	1
			DX60-BDY-30PR	-	316L (optional)	1
	1-3	DX6063N body, 6" triclamp x 3" male bevel seat	DX60-BDY-60103N	-	304 (standard)	1
			DX60-BDY-60103NR	-	316L (optional)	1
	1-4	6" DX6060 body, 6" triclamp x 6" triclamp	-	DX60-BDY-60-E	304	1
Bevel seat cap	2	DX60 3" bevel seat cap	DX60-16A-G30	-	304 (standard)	1
			DX60-16A-G30R	-	316L (optional)	-
Bevel seat nut	3	3" bevel seat nut	13H-G300	-	304	1
Clamp	4	DX60 body clamp	DX60-CLMP-30	13MHHV600	304	1
Clamp wingnut	4-1	DX60 body clamp wingnut	DX60-13DWN	DX60-13DWN	304	1
Clamp wingnut	4-2	13WNH hex nut	13WNH	13WNH	304	1
Plunger (standard)	5	DX60 plunger	DX60-PL-30	DX60-PL-60	304 (standard)	1
			DX60-PL-30R	-	316L (optional)	1
Plunger with freeze rod (optional)	5-1	DX60 plunger with freeze rod	DX60-PL-30-R	-	304	1

DX60-Series Tanker Valve - Bill of Materials

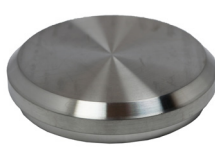
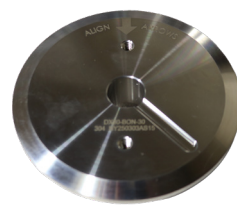
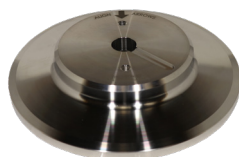
Part Type	Item #	Description	Part #		Material	Qty
			DX6030 DX6063N	DX6060		
Plunger O-ring	5a	FKM plunger seal	DX60-PS-V-30	DX60-PS-V-60	FKM	1
		nitrile rubber seal	DX60-PS-B-30	-	nitrile rubber	1
		white nitrile rubber seal	DX60-PS-BW-30	-	nitrile rubber	1
Bonnet	6	bonnet	DX60-BON-30	DX60-BON-60	304 (standard)	1
			DX60-BON-30R	-	316L (optional)	1
Bonnet O-ring	6a	FKM bonnet O-ring seal	DX60-BS-V-30	DX60-BS-V-60	FKM	1
		nitrile rubber bonnet O-ring seal	DX60-BS-B-30	-	nitrile rubber	1
		white nitrile rubber bonnet O-ring seal	DX60-BS-BW-30	-	nitrile rubber	1
Lip seal	6b	FKM bonnet lip seal	DX60-LS-V-30	DX60-LS-V-60	FKM	1
		nitrile rubber bonnet lip seal	DX60-LS-B-30	-	nitrile rubber	1
Bonnet seal	6c	bonnet locating pin	DX60-BLP-30	-	18-8	1
Shim	7-1	0.016" shim for bonnet and bonnet flange ^{CAM KIT}	DX-SHIM016N		304	1
	7-2	0.008" shim for bonnet and bonnet flange ^{CAM KIT}	DX-SHIM008N		304	1
Stem bushing	8	plunger stem bushing	DX60-SB-30		PTFE	1
Bonnet flange assembly	9	bonnet hub flange assembly	DX60-BFA-30		-	1
Pin	9a	cam arm pin ^{CAM KIT}	DX60-G100PSS		304	2
Hub	9b	bonnet hub flange	DX60-BF-30		304	1
Cam arms	9c	handle cam arm right ^{CAM KIT}	DX60-CA-KIT		304	1
	9d	handle cam arm left ^{CAM KIT}			304	1
Eye bolt	9e	5/16"-18 machined eye bolt	13IB-DX60		304	1
Wingnut	9f	5/16"-18 right hand wing nut	DX-92001A330		18-8	1
Spring pin	9g	slotted spring pin, 1/8" x 5/8"	DX-92373A179		18-8	1
Spring pin	9h	slotted spring pin, 1/8" x 5/16"	DX-92373A174		18-8	1
Bolt	10	bonnet flange hex head bolt	DX60-BFHB-30		18-8	2
Handle	11	plunger handle	DX60-HA-30		304	1
Lock washer	12	3/8" lock washer	375LOCKW		304	1
Handle bolt	13	plunger handle bolt	DX60-HAB-30		304	1
Dust cover kit	14	DX60 valve dust cover with lanyard/nut kit	DX60-DC-30-ALRK	-	see notes	1
Dust cover for lanyard	14a	dust cover for lanyard/nut	DX60-DC-30-AL	-	AL	1
Cover nut assembly with lanyard	14b	nut assembly with lanyard kit	DX60-DCNA-30	-	AL	1
Cover eye bolt	14c	dust cover eye bolt	DX60-DCEB-30	-	304	1
Cover washer	14d	dust cover nut washer	DX60-DCNW-30	-	18-8	1
Cover nut	14e	dust cover nut	DX60-DCN-30	-	AL	1
Dust cover for post	15	dust cover for 5/8"-11 post style body	DX60-DC-30-ALP	-	AL	1
Cover stem nut	15a	5/8"-11 cover stem nut (use with DX60-DC-30-ALP)	DX60-DCSN-AL	-	AL	1
Outlet kit	16	6" DX6060 outlet kit ⁶³ , 6" triclamp x 3" male bevel seat	-	DX60-EC-63CT-VK	see notes	1
		6" DX60 outlet kit ⁶⁴ , 6" triclamp x 4" male bevel seat	-	DX60-EC-64CT-VK	see notes	1

COVER Available with valve dust cover codes 1 and 3

CAM KIT Available in cam conversion kit (DX60-CA-KIT) (items 7-1, 7-2, 9a, 9d, and 9e)

⁶³Includes FKM gasket with 304 6" single pin clamp, 6" ferrule reduced to 3" male bevel seat with nut and end cap⁶⁴Includes FKM gasket with 304 6" single pin clamp, 6" ferrule reduced to 4" male bevel seat with nut and end cap

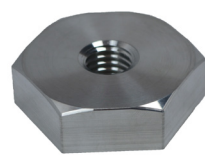
DX60-Series Tanker Valve - Individual Components

1-1. DX60-BDY-30 Body Housing 	1-2. DX60-BDY-30P Body Housing 	1-3. DX60-BDY-60103N Body Housing 	1-4. DX60-BDY-60-E Body Housing 
2. DX60-16A-G30 Bevel Seat Cap 	3. 13H-G300 Bevel Seat Nut 	4. DX60-CLMP-30 Clamp 	4-1. DX60-13DWN Clamp Wingnut 
5. DX60-PL-30 3" Plunger (Standard) 	5. DX60-PL-60 6" Plunger (Standard) 	5-1. DX60-PL-30-R Plunger with Freeze Rod (Optional) 	5a. DX60-PS-V-30 Plunger O-ring - FKM 
5a. DX60-PS-B-30 Plunger O-ring - Nitrile Rubber 	5a. DX60-PS-BW-30 Plunger O-ring - White Nitrile Rubber 	5a. DX60-PS-V-60 6" Plunger O-ring - FKM 	6. DX60-BON-30 3" Bonnet 
6. DX60-BON-60 6" Bonnet 	6a. DX60-BS-V-30 Bonnet O-ring - FKM 	6a. DX60-BS-B-30 Bonnet O-ring - Nitrile Rubber 	6a. DX60-BS-BW-30 Bonnet O-ring - White Nitrile Rubber 

DX60-Series Tanker Valve - Individual Components

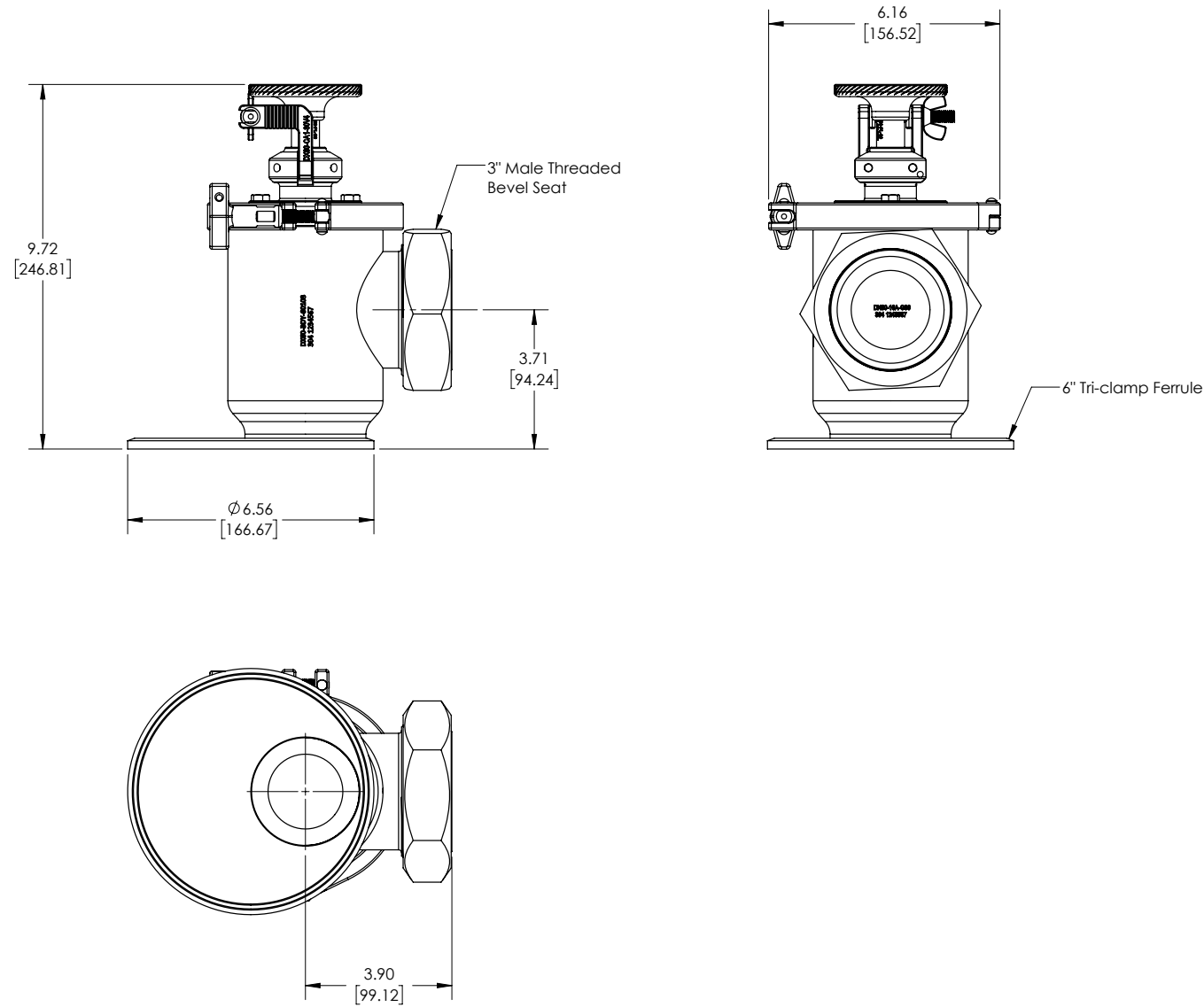
6a. DX60-BS-V-60 6" Bonnet O-ring - FKM 	6b. DS-LS-V-30 Lip Seal - FKM 	6b. DX60-LS-B-30 Lip Seal - Nitrile Rubber 	6c. DX60-BLP-30 Bonnet Pin 
7-1. DX-SHIM016N 0.016" Shim 	7-2. DX-SHIM008N 0.008" Shim 	8. DX60-SB-30 Stem Bushing 	9. DX60-BFA-30 Bonnet Flange Assembly 
9a. DX60-G100PSS Pin 	9b. DX60-BF-30 Hub 	9c & 9d. DX60-CA-KIT Cam Arm Kit 	9e. 13IB-DX60 Eye Bolt 
9f. DX-92001A330 Wingnut 	9g. DX-92373A179 Spring Pin (1/8" x 5/8") 	9h. DX-9237A174 Spring Pin (1/8" x 5/16") 	10. DX60-BFHB-30 Bolt 
11. DX60-HA-30 Plunger Handle 	12. 375LOCKW Lock Washer 	13. DX60-HAB-30 Handle Bolt 	14. DX60-DC-30-ALRK Dust Cover Kit 

DX60-Series Tanker Valve - Individual Components

14a. DX60-30-AL Dust Cover for Lanyard 	14b. DX60-DCNA-30 Cover Nut Assembly with Lanyard 	14c. DX60-DCEB-30 Cover Eye Bolt 	14d. DX60-DCNW-30 Cover Washer 
14e. DX60-DCN-30 Cover Nut 	15. DX60-DC-30-ALP Dust Cover for Post 	15a. DX60-DCSN-AL Cover Stem Nut 	
DX60-30-SK1-B Repair Kit - Nitrile Rubber 	DX60-30-SK1-BW Repair Kit - White Nitrile Rubber 	DX60-30-SK1-V Repair Kit - FKM 	
DX60-LBL-2 Instruction Sticker - English 	DX60-LBL-2 Instruction Sticker - Spanish 		

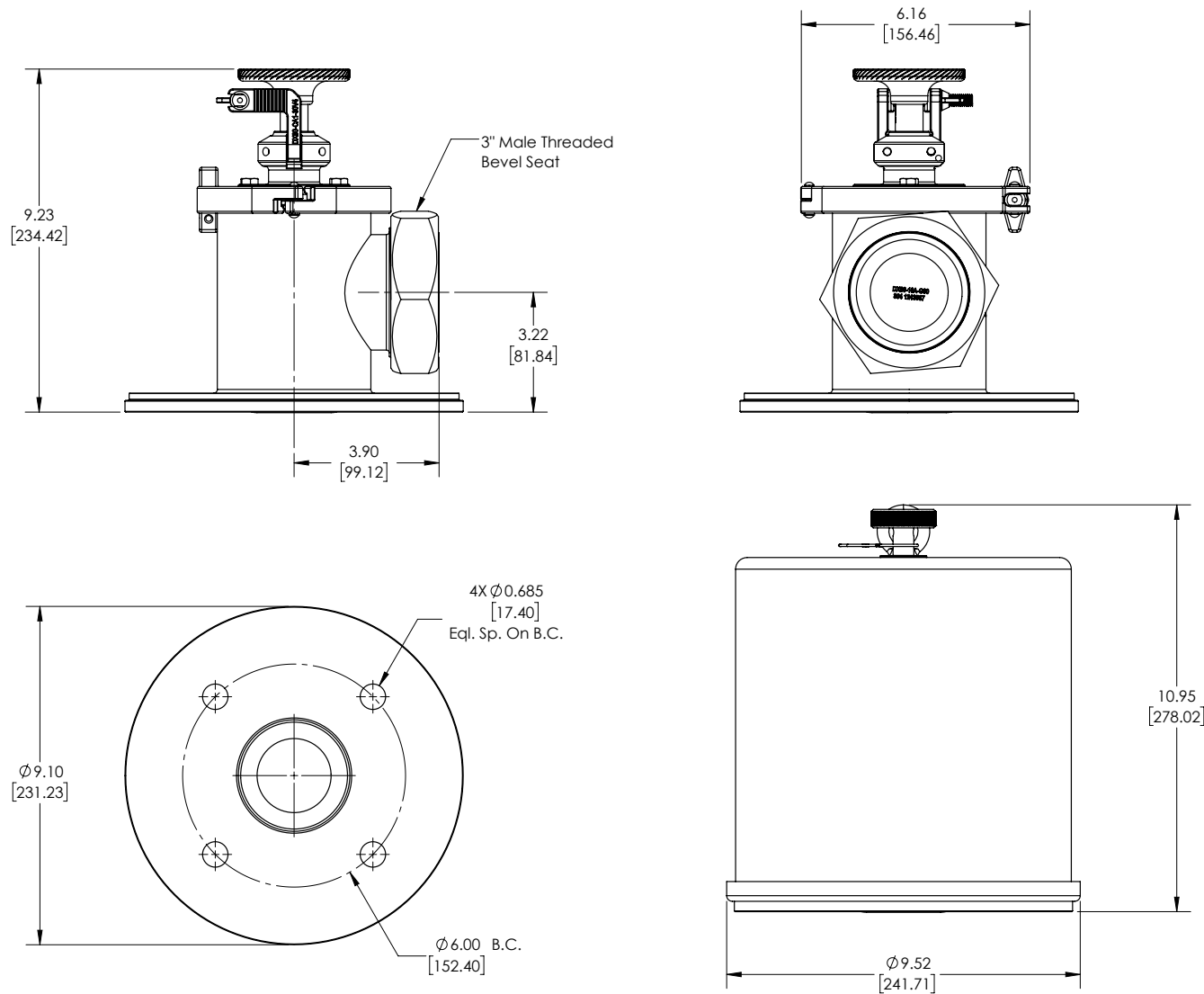
DX60-Series Tanker Valve - Dimensions

6x3 Valve



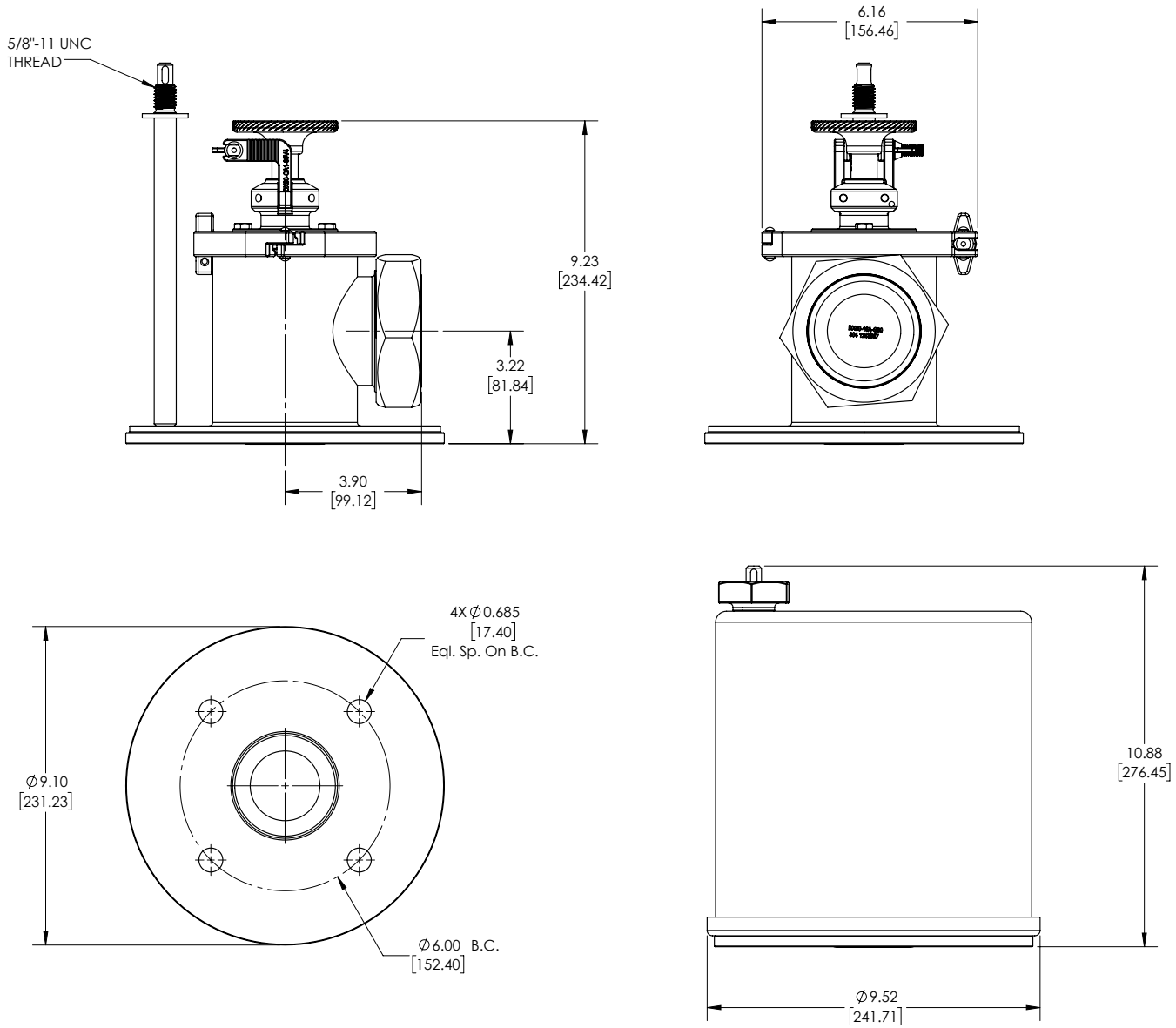
DX60-Series Tanker Valve - Dimensions

3x3 Valve 150# Flange



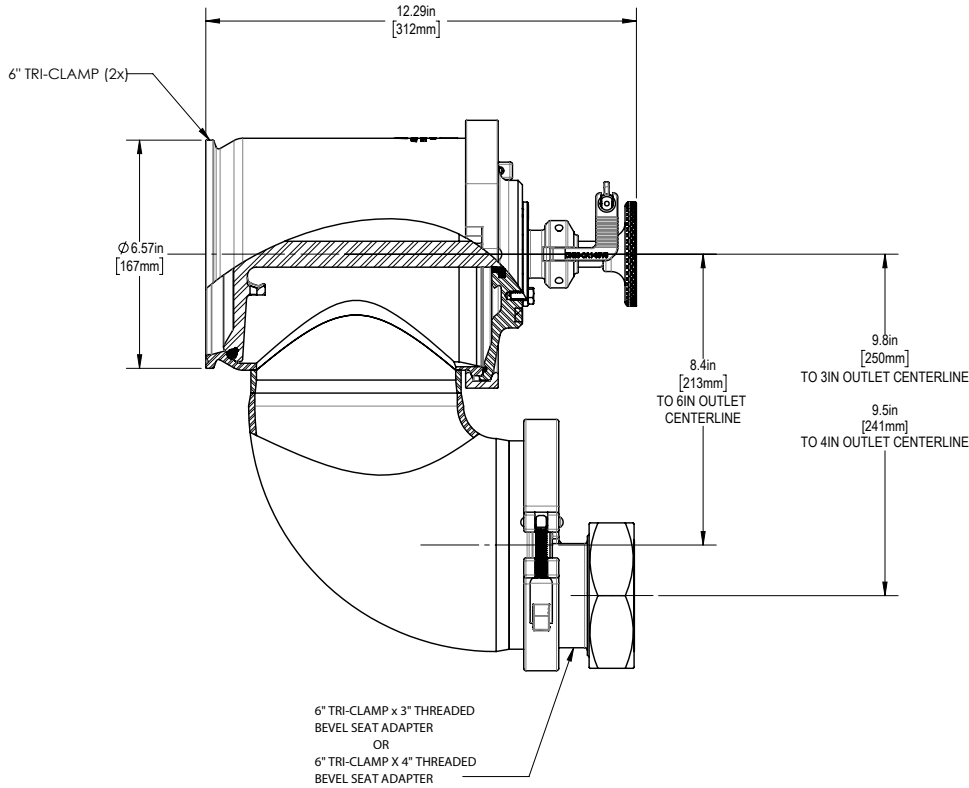
DX60-Series Tanker Valve - Dimensions

3x3 Valve 150# Flange Post Covers



DX60-Series Tanker Valve - Dimensions

6x6 Valve with Optional Reducing End Cap



DX60-Series Tanker Valve - Repair Kits

Valve Size	Lip Seal Material (Item 6)	Plunger Seal Material (Item 8)	Bonnet Seat Material (Item 9)	Repair Kit Part #	Kit Includes
3" and 6" x 3"	-	FKM	FKM	DX60-30-SK1-V	Items 8, 9
	FKM	FKM	FKM	DX60-30-SK2-V	Items 6, 8, 9
	-	Nitrile rubber	Nitrile rubber	DX60-30-SK1-B	Items 8, 9
	Nitrile rubber	Nitrile rubber	Nitrile rubber	DX60-30-SK2-B	Items 6, 8, 9

Repair Kit Part #	Description	Kit Contains
DX60-30-SK1-V	DX60 FKM plunger and bonnet seals	(1) FKM plunger seal, (1) FKM bonnet seal
DX60-30-SK2-V	DX60 FKM lip seal, plunger seal, and bonnet seal	(1) FKM lip seal, (1) FKM plunger seal, (1) FKM bonnet seal
DX60-30-SK1-B	DX60 nitrile rubber plunger and bonnet seats	(1) Nitrile rubber plunger seal, (1) nitrile rubber bonnet seal
DX60-30-SK2-B	DX60 nitrile rubber lip seal, plunger seal, and bonnet seal	(1) Nitrile rubber lip seal, (1) nitrile rubber plunger seal, (1) nitrile rubber bonnet seal

Notes

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Safety



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NOTE: Because of the health hazards associated with contamination and lead content in drinking water systems, Dixon couplings, unless otherwise specifically approved, are not recommended for potable water service and should not be used in applications where drinking water will contact the wetted surfaces of the coupling.

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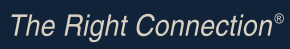
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