



INTRODUCING THE NEW DI Series Discharge Heads

CONSTRUCTED OUT OF DUCTILE IRON IN 150# AND 250# OPTIONS

BRDIDISCH R1

 **GOULDS**
WATER TECHNOLOGY
a xylem brand

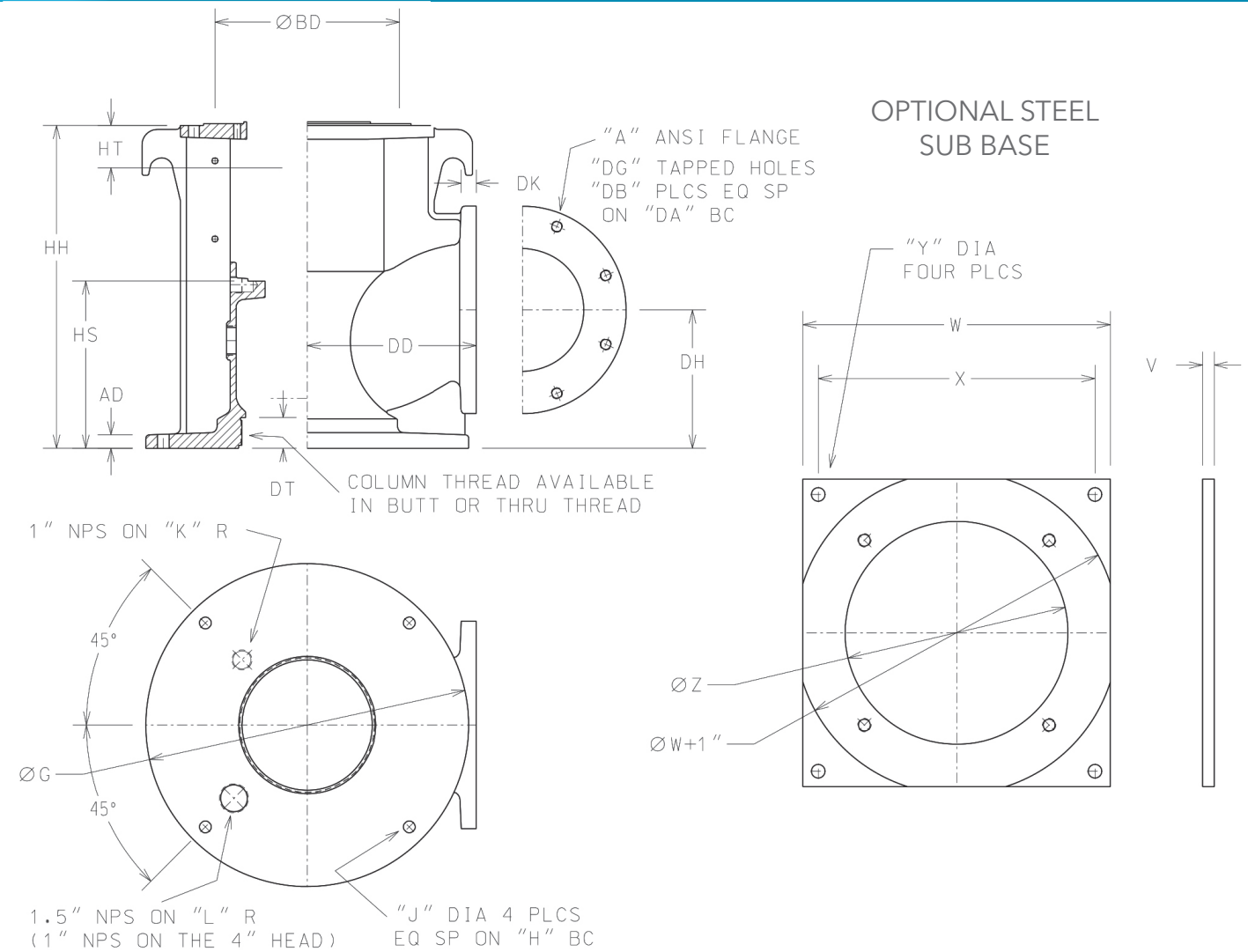
Xylem, Inc. is proud to announce the arrival of the **DI Series Discharge Heads.**

Constructed out of ductile iron, the DI Series Heads offer several advantages over the cast iron CA discharge heads, including:

- Cost Savings
- Higher Pressure Ratings
- Higher Horsepower Ratings
- Increased strength and greater hanging weight capabilities
- Potential to negate the need to use fabricated steel discharge heads
- Capability to be drilled for ANSI suction can connections
- Flexibility to fit multiple motor BD dimensions on the same head
- All models are pre-machined for both threaded and flanged column connections
- No need to purchase hanger flange
- Better impact resistance
- Lower thermal conductivity
- Higher nozzle loads
- Higher corrosion resistance

Part Description	150# Part Number	250# Part Number	Material Number
HEAD DISC DI 4" – 12" O/L	C07003B	C07004B	1018
HEAD DISC DI 4" – 12" W/L	C06936B	C07002B	1018
HEAD DISC DI 6" – 12"/16.5" O/L	C06969B	C06998B	1018
HEAD DISC DI 6" – 12"/16.5" W/L	C06938B	C06997B	1018
HEAD DISC DI 8" – 12"/16.5" O/L	C06963B	C06986B	1018
HEAD DISC DI 8" – 12"/16.5" W/L	C06940B	C06985B	1018
HEAD DISC DI 10" – 16.5"/20" O/L	C07027B	C07031B	1018
HEAD DISC DI 10" – 16.5"/20" W/L	C06942B	C07030B	1018
HEAD DISC DI 12" – 20"/24.5" O/L	C07058B	C07133B	1018
HEAD DISC DI 12" – 20"/24.5" W/L	C06944B	C07066B	1018

Type "DI" Ductile Iron Discharge Head



A	BD	HT	HS	HH	DH	AD	G	H	J	K	L	V	W	X	Y	Z	SUB BASE
4"	12	2.25	9.75	17.00	9.00	0.61	16.00	14.25	0.75	4.37	4.37	0.75	18.00	16.00	0.63	12.00	C03494B
6"	12/16.5	2.38	11.38	21.00	9.00	0.88	19.00	17.00	0.75	5.50	5.50	0.75	20.00	18.00	0.88	14.50	B04865B
8"	12/16.5	3.00	10.88	21.00	9.00	0.88	21.00	18.75	0.75	6.00	6.75	0.75	22.00	19.00	0.88	15.25	B04866B
10"	20	3.00	14.88	26.00	10.50	0.88	23.50	21.25	0.75	7.00	7.25	1.00	24.00	22.00	0.88	17.25	B02883B
12"	24.5	4.19	17.88	31.00	12.00	0.88	27.50	25.00	0.75	9.00	8.75	1.00	28.00	26.00	0.88	20.50	C07982B

150#

A	DD	DK	DA	DB	DG	HEAD W/L	HEAD O/L
4"	8.25	0.75	7.50	8.00	.62 - 11UNC	C06936B	C07003B
6"	10.00	1.00	9.50	8.00	.75 - 10UNC	C06938B	C06969B
8"	11.00	1.00	11.75	8.00	.75 - 10UNC	C06940B	C06963B
10"	12.50	1.00	14.25	12.00	.88 - 9UNC	C06942B	C07027B
12"	14.50	1.00	17.00	12.00	.88 - 9UNC	C06944B	C07058B

250#

A	DD	DK	DA	DB	DG	HEAD W/L	HEAD O/L
4"	8.50	1.00	7.88	8.00	.75 - 10UNC	C07002B	C07004B
6"	10.38	1.38	10.63	12.00	.75 - 10UNC	C06997B	C06998B
8"	11.50	1.50	13.00	12.00	.88 - 9UNC	C06985B	C06986B
10"	13.00	1.50	15.25	16.00	1.00 - 8UNC	C07030B	C07031B
12"	15.25	1.75	17.75	16.00	1.12 - 7UNC	C07066B	C07133B

Note: All dimensions in inches

Pump Assembly Dimensions – Open Lineshaft

TYPE "DI" DUCTILE IRON DISCHARGE HEAD DIMENSIONS

Part No.		A	DD		DH	HH	DT	HS	HT
150#	250#		150#	250#					
C06936B	C07002B	4"	8.25	8.50	9.00	17.00	1.63	9.75	2.25
C06938B	C06997B	6"	10.00	10.38	9.00	21.00	1.75	11.38	2.38
C06940B	C06985B	8"	11.00	11.50	9.00	21.00	2.00	10.88	3.00
C06942B	C07030B	10"	12.50	13.00	10.50	26.00	2.50	14.88	3.00
C06944B	C07066B	12"	14.50	15.25	12.00	31.00	3.00	17.88	4.19

TOP COLUMN LENGTH

$$TC = CL - STD COL + DT$$

"L" STUB SHAFT

$$L = CL + HH - HT - S/U - STD LINESHAFT$$

HEAD SHAFT

$$HEAD SHAFT = HT + CD + XH$$

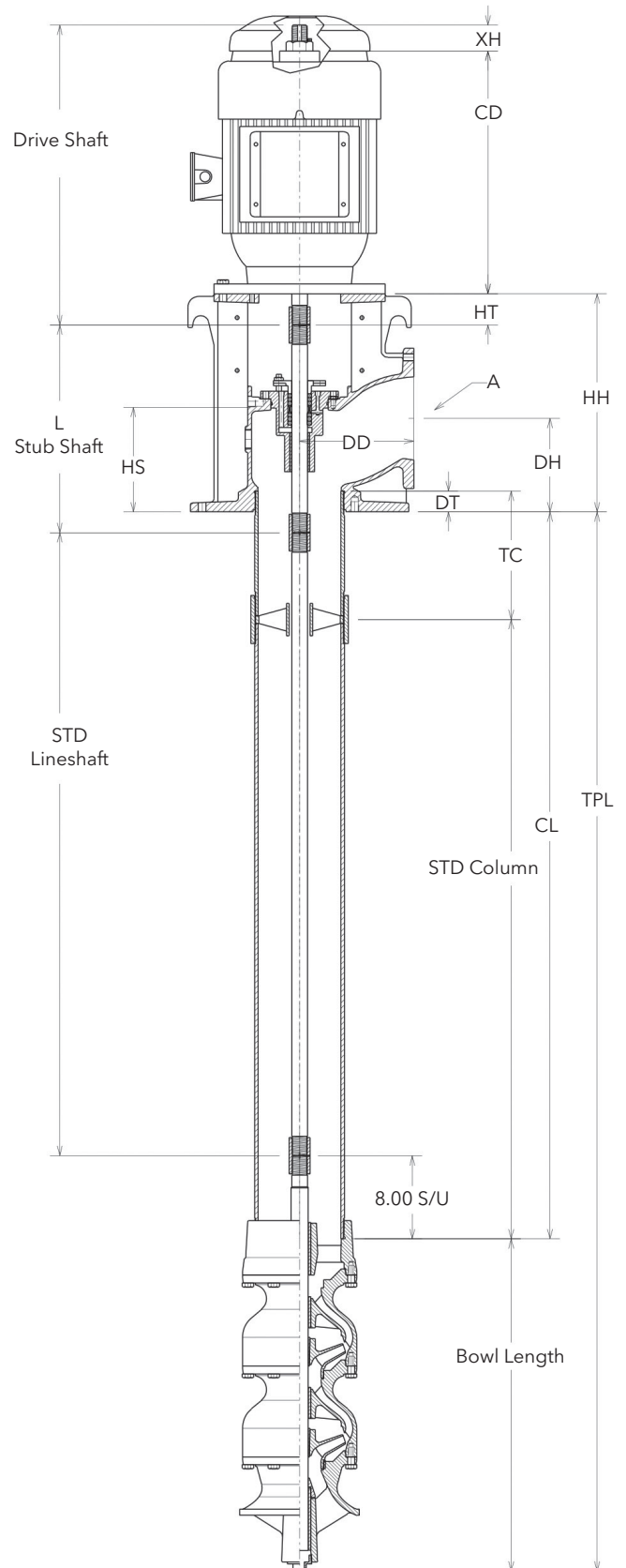
PART NUMBERS

Column

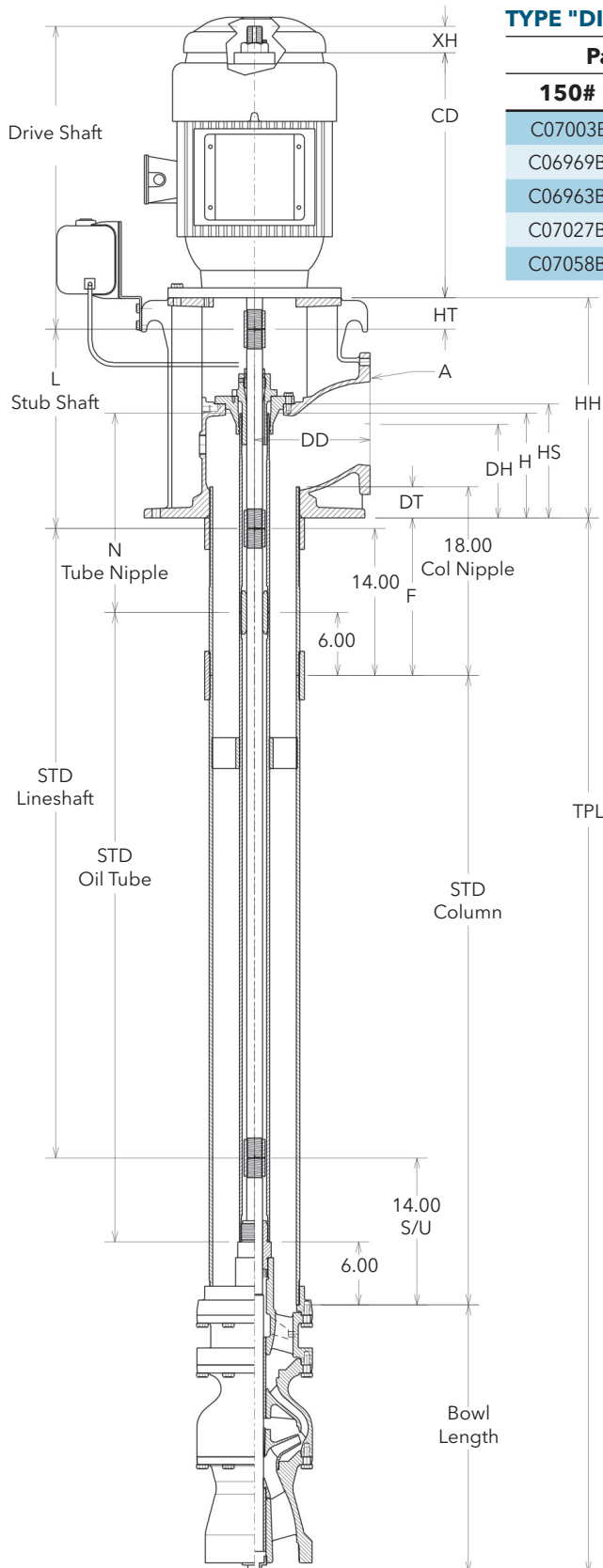
Size	5'	10'	20'
4"	A03551B01	A03553B01	A03556B01
5"	A03551B02	A03553B02	A03556B02
6"	A03551B03	A03553B03	A03556B03
8"	A03551B12	A03553B04	A03556B11
10"	A03551B11	A03553B14	A03556B13
12"	A03551B06	A03553B11	A03556B14

Diameter	Lineshaft	Headshaft	XH
1.00	B00002F	B01746B	2.00
1.18	B00003F	B01801B	2.50
1.50	B00004F	B01802B	2.50
1.68	B00005F	B01803B	2.50
1.93	B00006F	B01804B	3.25
2.18	B00007F	B01798B	3.25
2.43	B00008F	B02013B	3.25

Note: All dimensions in inches



Pump Assembly Dimensions – Enclosed Lineshaft



TYPE "DI" DUCTILE IRON DISCHARGE HEAD DIMENSIONS

Part No.		A	DD		DH	HH	HT	HS
150#	250#		150#	250#				
C07003B	C07004B	4"	8.25	8.50	9.00	17.00	2.25	9.75
C06969B	C06998B	6"	10.00	10.38	9.00	21.00	2.38	11.38
C06963B	C06986B	8"	11.00	11.50	9.00	21.00	3.00	10.88
C07027B	C07031B	10"	12.50	13.00	10.50	26.00	3.00	14.88
C07058B	C07133B	12"	14.50	15.25	12.00	31.00	4.19	17.88

"H" DIMENSION TO TOP OF TUBE NIPPLE

Discharge Head	0.75	1.00	1.19	1.50	1.69	1.94	2.19	2.44
4"	H = 9.50							
6"	H = 11.00			H = 10.50				
8"	H = 10.50			H = 10.00			H = 9.50	
10"	H = 14.50			H = 14.00			H = 13.50	
12"				H = 17.00			H = 16.50	

COLUMN NIPPLE

Discharge Head	DT	F
4"	3.00	15.00
6"	3.00	15.00
8"	3.00	15.00
10"	4.00	14.00
12"	4.00	14.00

STUB SHAFT

Discharge Head	L
4"	15.75
6"	19.63
8"	19.00
10"	23.00
12"	26.81

"N" OIL TUBE NIPPLE C4017XXX

Discharge Head	1.00	1.19	1.50	1.69	1.94	2.19	2.44
4"	18.50 BGJ						
6"	20.00 BJA		19.50 BHJ				
8"	19.50 BHJ		19.00 BHA		18.50 BGJ		
10"	22.50 BLJ		22.00 BLA		21.50 BKJ		
12"			25.00 CBA		24.50 CAJ		

PART NUMBERS

Shaft	Tube	Nut	Plate	O-Ring	Tube Nipple
1.00	1.50	B04593B	B04594B	C02495A133	C4017xxx
1.19	2.00	B04582B	B04583B	C02495A228	
1.50	2.50	B04504B	B04503B	C02495A232	
1.69	2.50	B04584B	B04503B	C02495A232	
1.94	3.00	B04601B	B04602B	C02495A340	
2.19	3.50	B04604B	B04606B	C02495A344	
2.44	3.50	B04605B	B04606B	C02495A344	

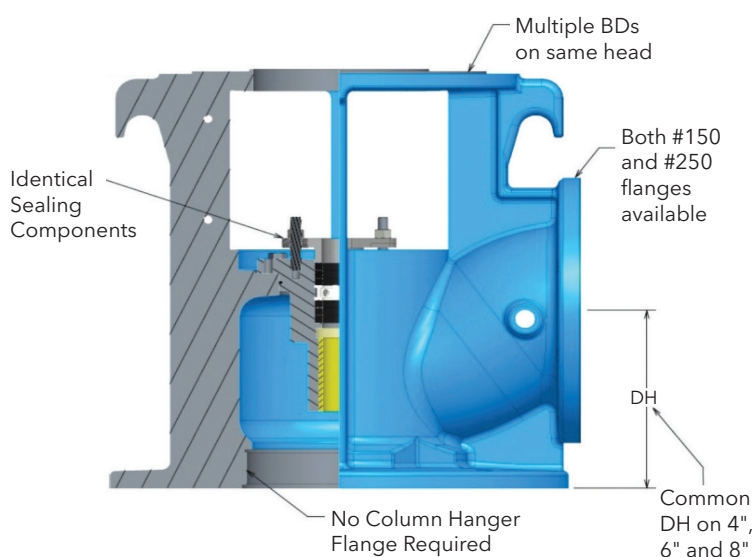
Column	Nipple
4"	B04597B03
5"	B04597B04
6"	B04597B05
8"	B04597B06
10"	B04597B07
12"	B04597B08

Diameter	Shaft
1.00	B00002F
1.19	B00003F
1.50	B00004F
1.69	B00005F
1.94	B00006F
2.19	B00007F
2.44	B00008F

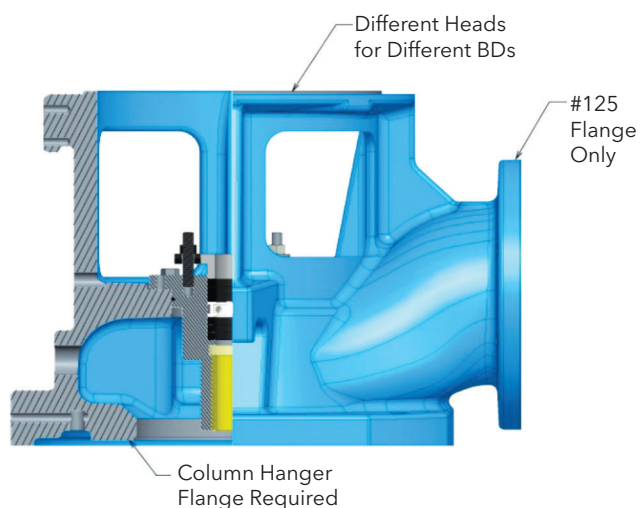
Note: All dimensions in inches

DI Series vs. CA Series

DI SERIES



CA SERIES

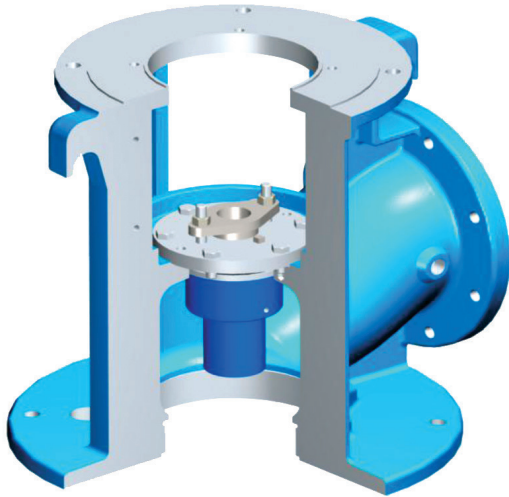


Size	Maximum Working Pressure (psi)			Maximum Setting Depth (ft)		Maximum Hanging Weight (lbs)	
	DI		CA	DI	CA	DI	CA
	150#	250#	125#				
4"	250	400	175	1000	750	21000	9000
6"						42000	27375
8"						57000	46500
10"						64000	49500
12"						78000	60000

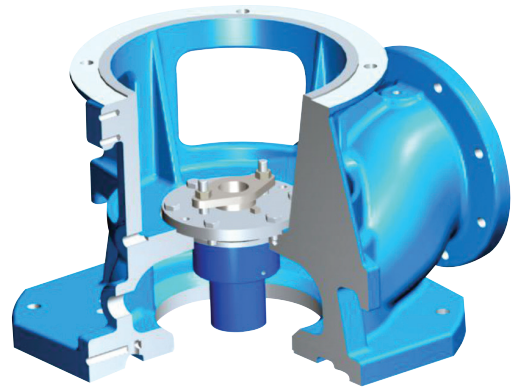
Size	Maximum Horsepower Rating					
	DI			CA		
	1200 RPM	1800 RPM	3600 RPM	1200 RPM	1800 RPM	3600 RPM
4"	100	150	300	67	100	200
6"	200	300	600	100	150	300
8"	267	400	800	133	200	400
10"	267	400	800	167	250	500
12"	333	500	1000	200	300	600

DI Series vs. CA Series

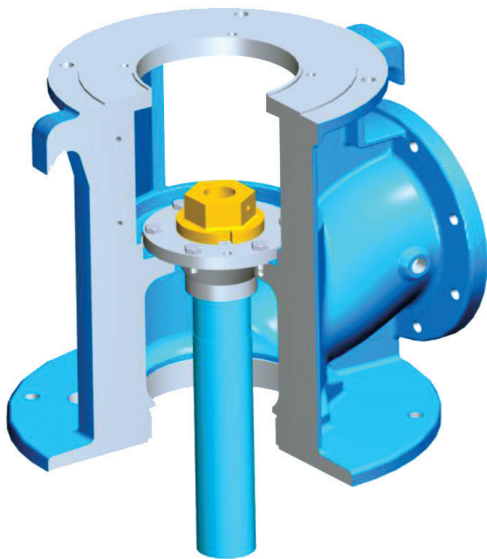
DI Water Lube



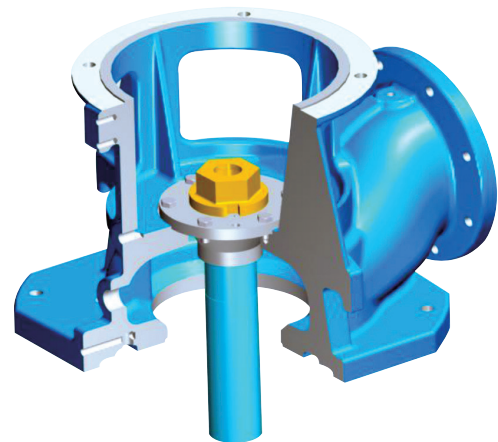
CA Water Lube



DI Oil Lube



CA Oil Lube





Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services, and agricultural settings. With its October 2016 acquisition of Sensus, Xylem added smart metering, network technologies and advanced data analytics for water, gas and electric utilities to its portfolio of solutions. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

For more information on how Xylem can help you, go to www.xyleminc.com



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