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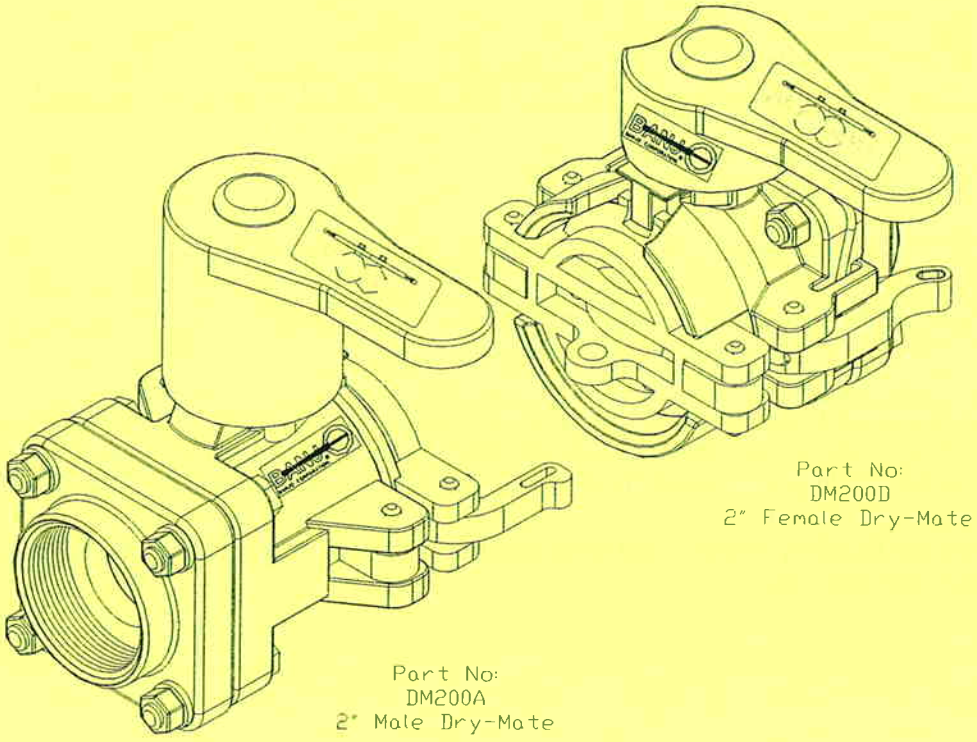
BANJO 2" POLYPROPYLENE DRY MATE

BANJO DRY-MATE DM200A & DM200D

The Banjo DM200 series of dry quick disconnect fittings is designed to handle many of the industrial chemicals in use today with a minimum of fluid spillage. The ball valve design of the DM200 allows an unrestricted path for fluid flow, in an easy to use style.



Specifications:

Part No.:	DM200D	DM200A
Description:	2" Female Dry Mate	2" Male Dry Mate
Length:	4-1/2"	4-1/2"
Port Size:	1-1/2"	1-1/2"

Max. Pressure: 100 psi @ 70 F
Max. Temp: 150 F @ 70 psi
Coupled Length: 8"

Features:

- Ball valve design combines unrestricted flow with simple operation. The handles interlock making it easy to identify which handle opens or closes first. No guessing involved!

- The Banjo Dry-Mate is constructed of glass-reinforced polypropylene for strength and excellent chemical resistance. The TFE seats and viton seals give the Dry-Mate the same chemical resistance as our standard line of ball valves.

- The cam lever style of connection is the most recognized type of fluid connector in use. The Banjo Dry-Mate uses this style of connection for easy, quick, and positive engagement of the Dry-Mate components. The cam levers and mating profiles are 316SS for maximum corrosion resistance. Both the cam levers and the mating profiles are easily replaceable if damaged, and can even be replaced while the Dry-Mate is in service.

- The DM200D has engagement ribs to provide correct alignment during assembly.

- The DM200 series has many safety features to prevent accidental spillage. Both handles have interlock buttons, which prevent the balls from opening when the halves are separated. The DM200D also has a 316SS yoke which keep the cam levers in the locked position when the couplers are connected and the handle is in the open position. This prevents the couplers from being separated when the balls are in the open position. The gasket that seals between the two components is mechanically held in place to insure that the gasket stays in place when the halves are disconnected.

- Both the DM200A and DM200D come standard with a dust cover to keep the balls and seals protected when not in use.

Installation:

When installing the couplers, use a good quality thread sealant compatible with the liquid being used in the system. Screw the coupler onto the thread hand tight; using a wrench, tighten the coupler onto the thread another 1/4 to 1/2 turn.

Warning:

The DM200A should always be installed on the high-pressure side of the system. Failure to install the DM200A on the high-pressure side can trap pressurized fluid between the balls, causing fluid to spray when the two halves are disconnected!

Operation:

Step 1:

To attach the two halves together, make sure the faces of the DM200A and DM200D are free from dirt or other foreign material. Align the two halves together as shown in Figure 1.

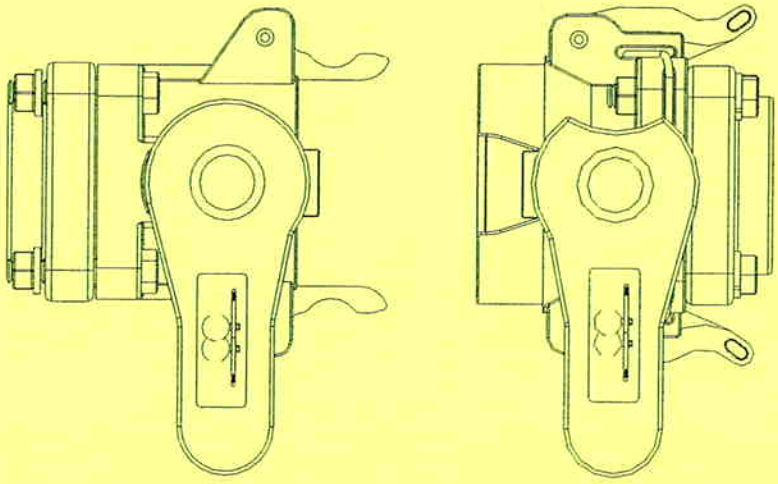


FIGURE 1

Step 2:

Slide the DM200D onto the DM200A. The alignment tabs on the DM200D will guide the cam inserts into the cam arms of the DM200D. After the assembly is together, rotate the cam arms toward the body of the DM200D. This will couple the halves together and depress the anti-rotation buttons under the handles, which will allow the handles to rotate. After the cam arms are rotated in position, the assembly should look like Figure 2.

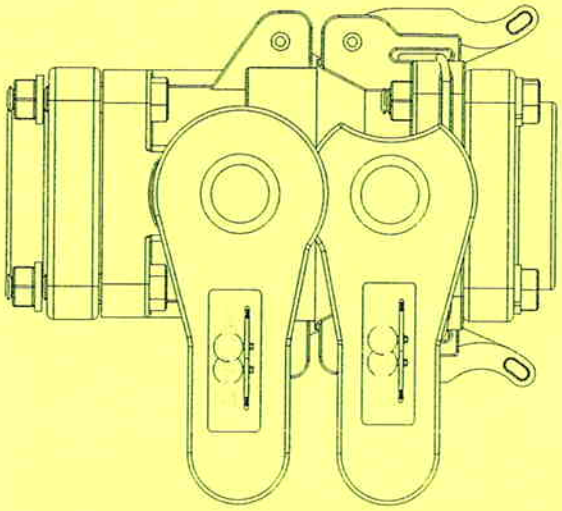


FIGURE 2

Step 3:

In this position, the handle of the DM200D must be rotated before the handle of the DM200A can rotate. Rotate the handle of the DM200D to the open position. When this handle is opened, the locking yoke will engage the cam levers and prevent the cam levers from being opened while the handle is in the open position. The handles should now be oriented as shown in Figure 3.

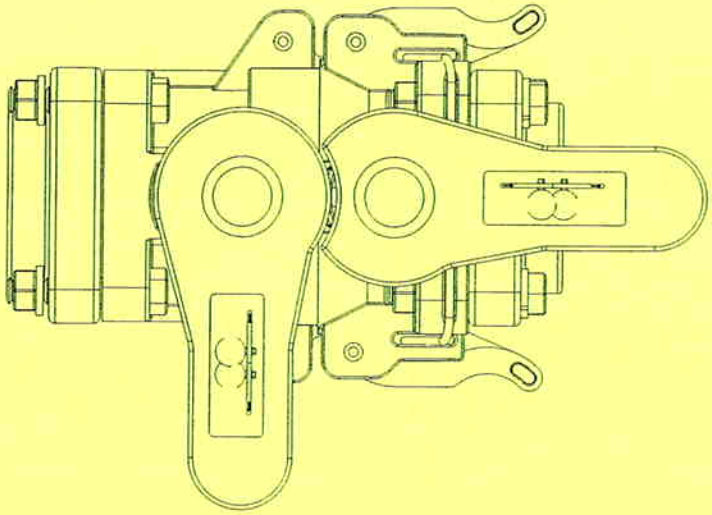


FIGURE 3

Step 4:

After the handle of the DM200D has been opened, the handle of the DM200A can be rotated. Rotate the handle of the DM200A to the open position. The assembly is now opened and flow may begin. When both valves are opened the handles should be oriented as shown in Figure 4.

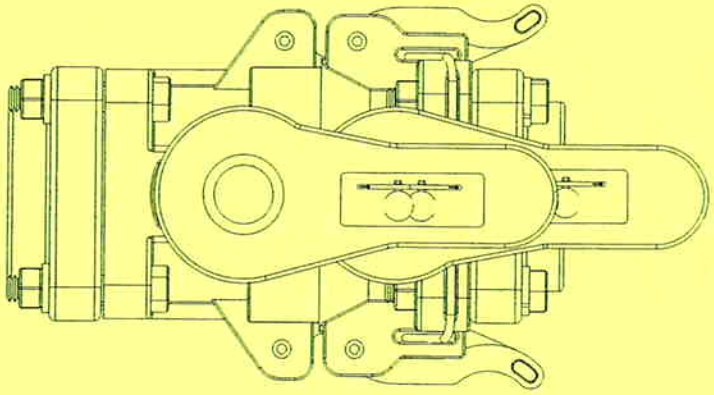
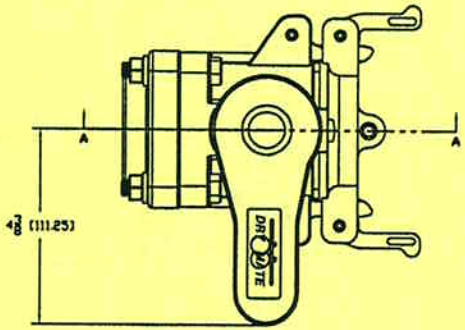
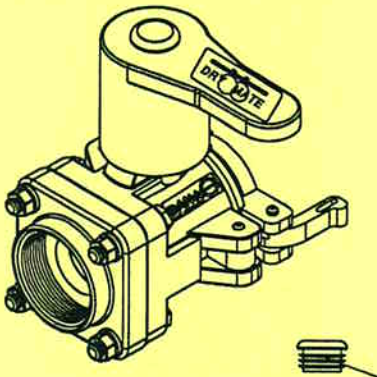
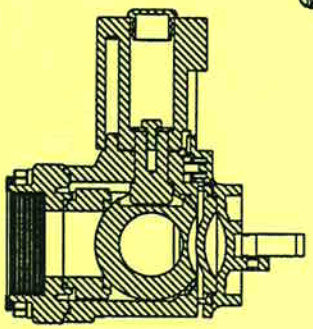


FIGURE 4

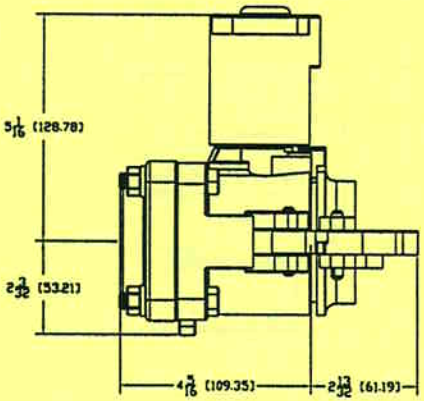
To close the valves and disconnect the couplers, reverse steps 1 through 4.

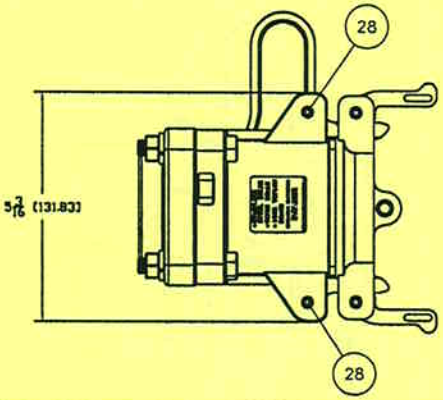


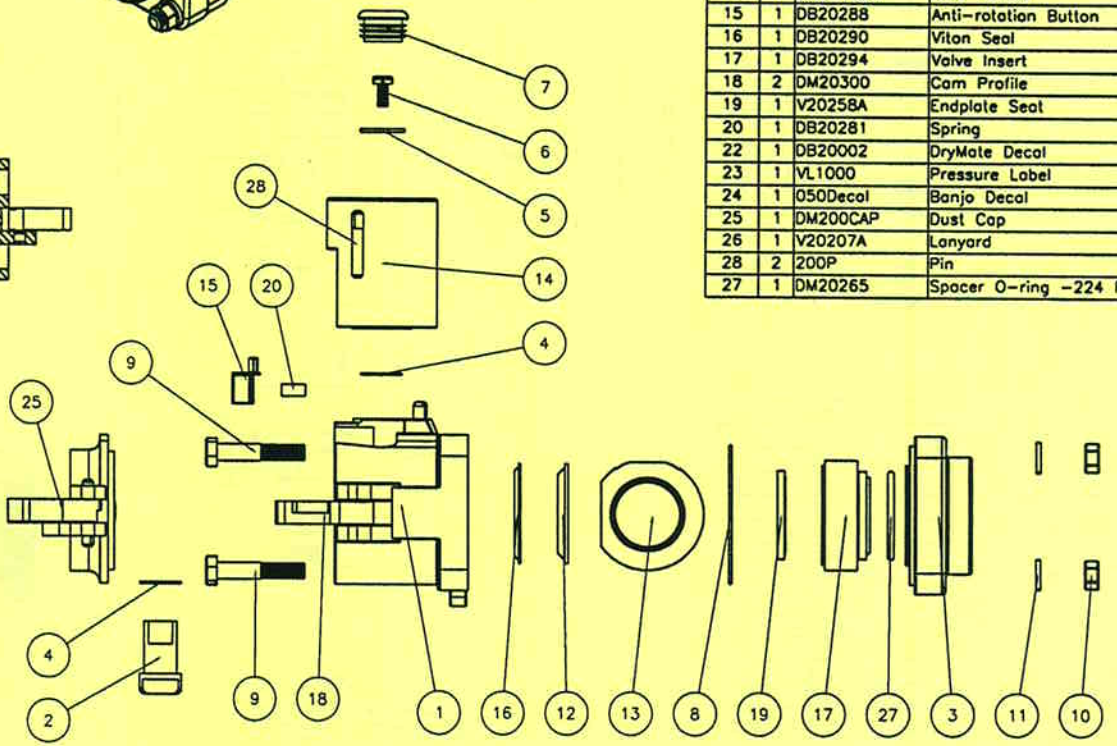




SECTION A-A







Parts List			
Item	Qty	Part Number	Description
1	1	DM20254	Male Body
2	1	VS20151	Stem
3	1	V20256	2" endplate
4	2	V20060	Stem Shim
5	1	V20021	Handle Flatwasher
6	1	V20020	Handle Bolt
7	1	V20353C	Handle Plug
8	1	V21204V	Body O-ring
9	4	V20010SS	Body Bolts
10	4	V20019	3/8" Nut
11	4	V20018	3/8" Lock Washer
12	1	DB20258	Drymate Seat
13	1	DB20255	Drymate Ball
14	1	DM20153M	Male Handle
15	1	DB20288	Anti-rotation Button
16	1	DB20290	Viton Seal
17	1	DB20294	Valve Insert
18	2	DM20300	Cam Profile
19	1	V20258A	Endplate Seal
20	1	DB20281	Spring
22	1	DB20002	DryMate Decal
23	1	VL1000	Pressure Label
24	1	050Decal	Banjo Decal
25	1	DM200CAP	Dust Cap
26	1	V20207A	Lanyard
28	2	200P	Pin
27	1	DM20265	Spacer O-ring -224 FKM

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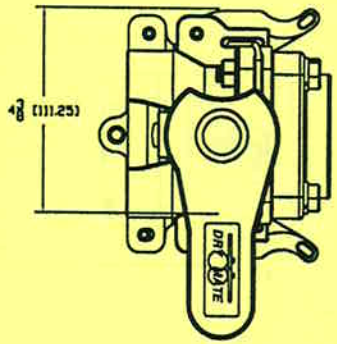
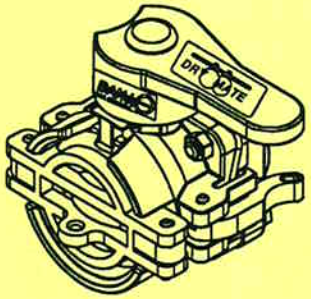
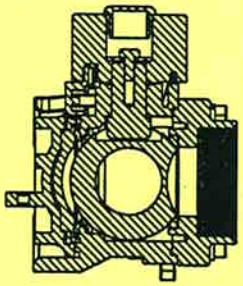
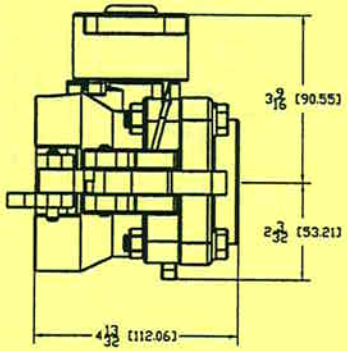
PART NO.
DM200A

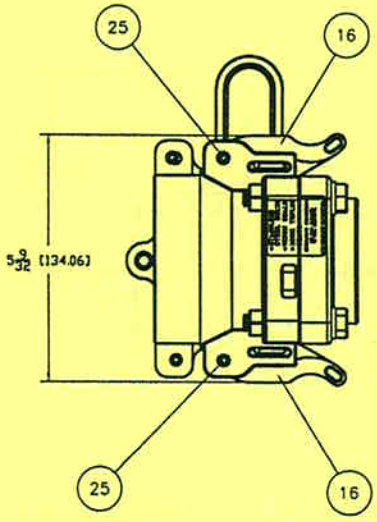
TITLE
2" Male Poly Drymate











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3	1	V20256	2" endplate
4	2	V20060	Stem Shim
5	1	V20021	Handle Flatwasher
6	1	V20020	Handle Bolt
7	1	V20353C	Handle Plug
8	1	V21204V	Body O-ring
9	4	V20010SS	Body Bolts
10	4	V20019	3/8" Nut
11	4	V20018	3/8" Lock Washer
12	1	DB20258	Drymate Seat
13	1	DB20255	Drymate Ball
14	1	DB20288	Anti-rotation Button
15	1	DM20153F	Female Drymate handle
16	2	DM200KX	Cam Arm
17	1	V20258A	Endplate Seat
18	1	DB20281	Spring
19	1	DM20289	Locking Yoke
20	1	DB20002	DryMate Decal
21	1	VL1000	Pressure Label
22	1	050Decal	Banjo Decal
23	1	DM200PL	Dust Plug
24	1	V20207A	Lanyard
25	2	200P	Pin
26	1	DM20294A	FKM Face Seal

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PART NO.
DM200D

TITLE
2" Poly Female Drymate