

Maintenance & Operating Instructions

For

DIXON BAYCO

VAPOR COUPLER WITH HOSE SHANK

MODEL NUMBERS

VR4040CS-AL45 – 4” VAPOUR COUPLER 4” x 45 DEGREE HOSE SHANK
VR4030CS-AL45 – 4” VAPOUR COUPLER 3” x 45 DEGREE HOSE SHANK
VR4030CS-SH – 4” VAPOUR COUPLER x 3” STRAIGHT HOSE SHANK

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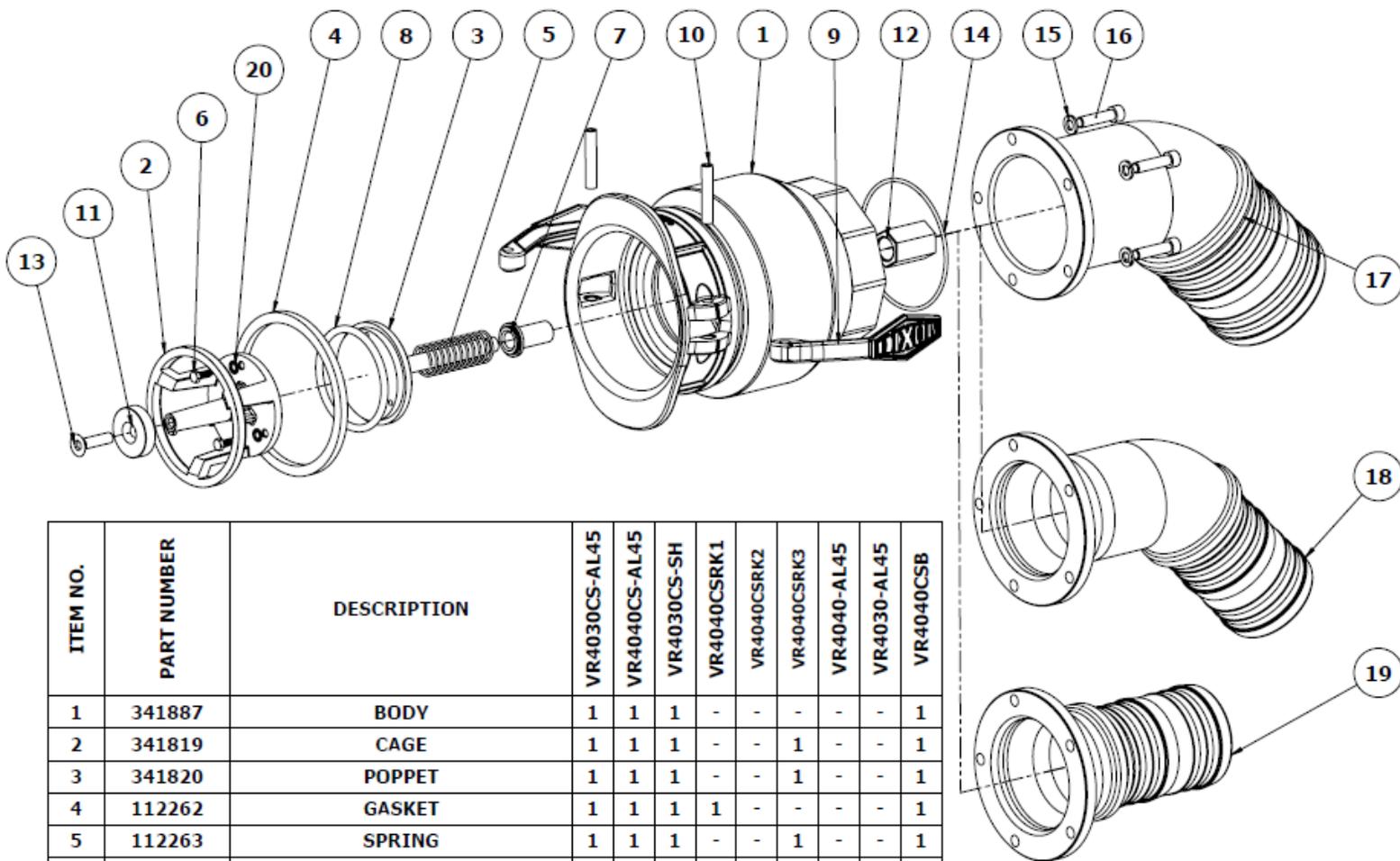
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The Right Connection®



ITEM NO.	PART NUMBER	DESCRIPTION	VR4030CS-AL45	VR4040CS-AL45	VR4030CS-SH	VR4040CSRK1	VR4040CSRK2	VR4040CSRK3	VR4040-AL45	VR4030-AL45	VR4040CSB
1	341887	BODY	1	1	1	-	-	-	-	-	1
2	341819	CAGE	1	1	1	-	-	1	-	-	1
3	341820	POPPET	1	1	1	-	-	1	-	-	1
4	112262	GASKET	1	1	1	1	-	-	-	-	1
5	112263	SPRING	1	1	1	-	-	1	-	-	1
6	112506	MACHINE SCREW	3	3	3	3	-	3	-	-	3
7	390146	BUSHING	1	1	1	-	-	1	-	-	1
8	110691	O-RING #334	1	1	1	1	-	1	-	-	1
9	40215SS	PADDLE ARM	2	2	2	-	2	-	-	-	2
10	40218SS	CAM ARM PIN	2	2	2	-	2	-	-	-	2
11	391860	BUTTON	1	1	1	-	-	1	-	-	1
12	391868	POPPET STOP	1	1	1	-	-	1	-	-	1
13	112416	SOCKET SCREW	1	1	1	-	-	1	-	-	1
14	112420	O-RING #154	1	1	1	-	-	-	1	1	-
15	110931	5/16" LOCK WASHER SS	5	5	5	-	-	-	5	5	-
16	112421	5/16-18X1.25 SHCS SCREW	5	5	5	-	-	-	5	5	-
17	341886	4 IN FLANGED HOSE SHANK 45	-	1	-	-	-	-	1	-	-
18	341896	3 IN FLANGED HOSE SHANK 45	1	-	-	-	-	-	-	-	1
19	341897	3 IN FLANGED HOSE SHANK	-	-	1	-	-	-	-	-	-
20	112507	SERRATED WASHER	3	3	3	3	-	3	-	-	-

REPAIR KITS

ITEM #	DESCRIPTION
VR4040CSRK1	SEAL REPAIR KIT
VR4040CSRK2	CAM ARM REPAIR KIT
VR4040CSRK3	INTERNAL PART KIT
VR4040-AL45	4" x 45 DEG. HOSE SHANK KIT
VR4030-AL45	3" x 45 DEG. HOSE SHANK KIT
VR4040CSB	VAPOR COUPLER BODY COMPLETE KIT

These instructions and recommendations are provided to ensure proper operation and long service life of Dixon Bayco VR4040CS-AL45 / VR4030CS-AL45 & VR4030CS-SH. Parts are identified by the item numbers on the assembly drawing and parts list.

DIASSEMBLING AND ASSEMBLING INSTRUCTIONS FOR DIXON BAYCO VR4040CS-AL45 / VR4030CS-AL45 & VR4030CS-SH VAPOR COUPLERS

1. Hold the cage (2) and undo the machine screws (6) and washers (20) using a screwdriver.
2. Remove the cage (2) and visually inspect the cage (2) and the button (11). If the cage (2) and the button (11) are worn or damaged, replace with new ones.

Note! The button (11) is tightened onto the probe of the cage (2) through the screw (13) in the factory.

3. If the gasket (4) needs to be replaced, install the new gasket (4). Make sure that the gasket (4) sits in the groove properly.
4. Push the poppet (3) into the coupler and hold. Remove the O-Ring (8) from the poppet (3).



Note! After the O-Ring (8) is removed, the poppet stop (12) will hold the poppet (3) in the coupler body. If the poppet (3) is worn or damaged, remove the coupler from the hose or the mating part.

5. Separate the body (1) and the hose shank (17 or 18 or 19) by removing the socket screws (16) and lock washers (15).
6. Remove the poppet stop (12) from the flange end using a wrench for 1" hex.



7. Remove the poppet (3) and the spring (5).
8. Remove the bushing (7) and replace with a new bushing (7) if needed.
9. Install the spring (5) and the poppet (3) from the front end into the body (1). After the poppet (3) end passes the bushing (7), thread the poppet stop (12) from the coupler back onto the poppet (3) end and hand tighten the poppet stop (12).
10. Hold the cage (2) and use the wrench for 1" hex to tighten the poppet stop (12).
11. Push the poppet (3) into the coupler and hold. Install the new O-Ring (8) and make sure that the O-Ring (8) sits in the poppet (3) groove properly.



12. Install the cage (2) to the poppet (3) using the machine screws (6) and washers (20).
13. Push the cage (2) into the body (1) to make sure the cage (2) and the poppet (3) can move smoothly.
14. Place the O-Ring (14) into the flange groove of the body (1), make sure that the O-Ring (14) are still in good condition then install hose shank (17 or 18 or 19) to the body (1) and tighten socket screws (16) and lock washers (15).

DIXON BAYCO WARRANTY:

For Warranty Information, please refer to the inside back cover of the latest Dixon Catalogue.