














CE94/2500XX



Aluminium Handle

Features & Benefits


-  Bumper ring protects against glancing blows.
-  3 Year Warranty on all metal parts.*
-  Tapered lead-in of coupler ensures failsafe alignment with tank adaptor.
-  Instant “snap on” fixture to tank adaptor.
-  Four wrap-around extended triggers lock the coupler securely in place.
-  SAFELOAD will not open unless connected correctly nor uncouple until fully closed.
-  Compression spring energised main seal.
-  All seals may be replaced in-situ using the correct tools and procedure.
-  Wear critical components tested to simulate over 5 years continual service.
-  Trigger design allows full alignment and connection even if loading arms are crossed over.
-  Release handle has fewer parts so it is very easy to strip down.
-  The shaft and nut assembly is easy to maintain.
-  The double seal arrangement stops dirt from entering the seal pocket.

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*under standard environmental conditions.
See www.fortvale.com/FVETCOFSALE.pdf (paragraph 9)

Service Guidelines

Fort Vale recommends a monthly visual inspection on couplers over 6 months old. It should be noted that the life of the coupler is not only determined by the frequency of use but also by the product carried.

 Operating Instructions for Safeload semi-automatic coupler - **OPIN21**

Safeload Semi-Automatic API Coupler - Designed for bottom loading with a unique wrap-around trigger design that follows the profile of the loading adaptor, covering more than 60% of its circumference.

4" TTMA inlet flange. Outlet connection complies with API RP 1004. Materials of construction - hard anodised aluminium, nitrided steel and stainless steel. Fitted with Viton B seals and stainless steel operating handle as standard. Operating instructions included.

Seal options - See Range

Options - High pressure version. Manually operated version. Available with ball-end aluminium handle.

Specification

Part Number : **CE94/2500XX** - Stainless steel handle
CE94/2400XX - Aluminium handle

XX indicates variable seal material, see Range

Weight	12.15 Kg
Design Pressure (MAWP)	6 Bar (87 PSI)
Test Pressure	10 Bar (145.0 PSI)
Max. Surge Pressure	15 Bar (217.5 PSI)

Compliant with ATEX Group II, Cat 2; EN 13083 & API RP1004 (2003).

Range

Part No.	Seal Material/Colour	Temp. Range
CE94/2X00	Viton B - Black	-13°C to +50°C +9°F to +122°F
CE94/2X00GF	Viton GFLT-S – Grey	-23°C to +50°C -9°F to +122°F
CE94/2X00MF	Ultra-low temp. Fluorocarbon - Brown	-40°C to +50°C -40°F to +122°F
CE94/2X00PF	Perfluoroelastomer – Green	-15°C to +50°C +5°F to +122°F

X in Part No. above indicates variable handle. See Specification above.

Associated Parts

Associated Parts	Part Number
Extended inlet spool piece – *See Note	94/22XX
Loading adaptor wear gauge	94/2150
Parking nose – Bottom Loading Coupler	94/25PC
Coupler seal replacement tool	400/9420
4" TTMA Check valve	94/3690XX/X

***NOTE** : “XX” indicates variable length
Minimum length : 120mm

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Item	Description	Part No.
1	M12 domed nut	5112-050
2	M12 washer	5123-003
3	Splined handle	94/2575
4	Spindle	94/2511
5	Release handle pivot pin (2)	94/2577
6	M6 capscrew (2)	5111-061
7	Release handle assembly	94/3080
8	4" TTMA gasket	94/1044
9	Inlet flange stud (8)	94/1040
10	M10 flat section spring washer (8)	5113-002
11	M10 full nut (8)	5112-002
12	Outer housing and ring assembly	94/2504
13	M4 hexhead setscrew (4)	5111-064
14	Spring retainer washer (4)	94/2529
15	Guide bush (4)	94/2048
16	Spring (4)	10146
17	Spring retainer (4)	94/1016
18	Spindle bush	94/2522
19	Inner housing	94/2501
20	Seal carrier O ring *See Note	94/1034XX <input type="checkbox"/>
21	Seal carrier	94/2507
22	Wiper O ring *See Note	5005-584XX <input type="checkbox"/>
23	Main seal *See Note	94/1006XX <input type="checkbox"/>
24	Lever arm	94/1009A
25	Poppet	94/2518

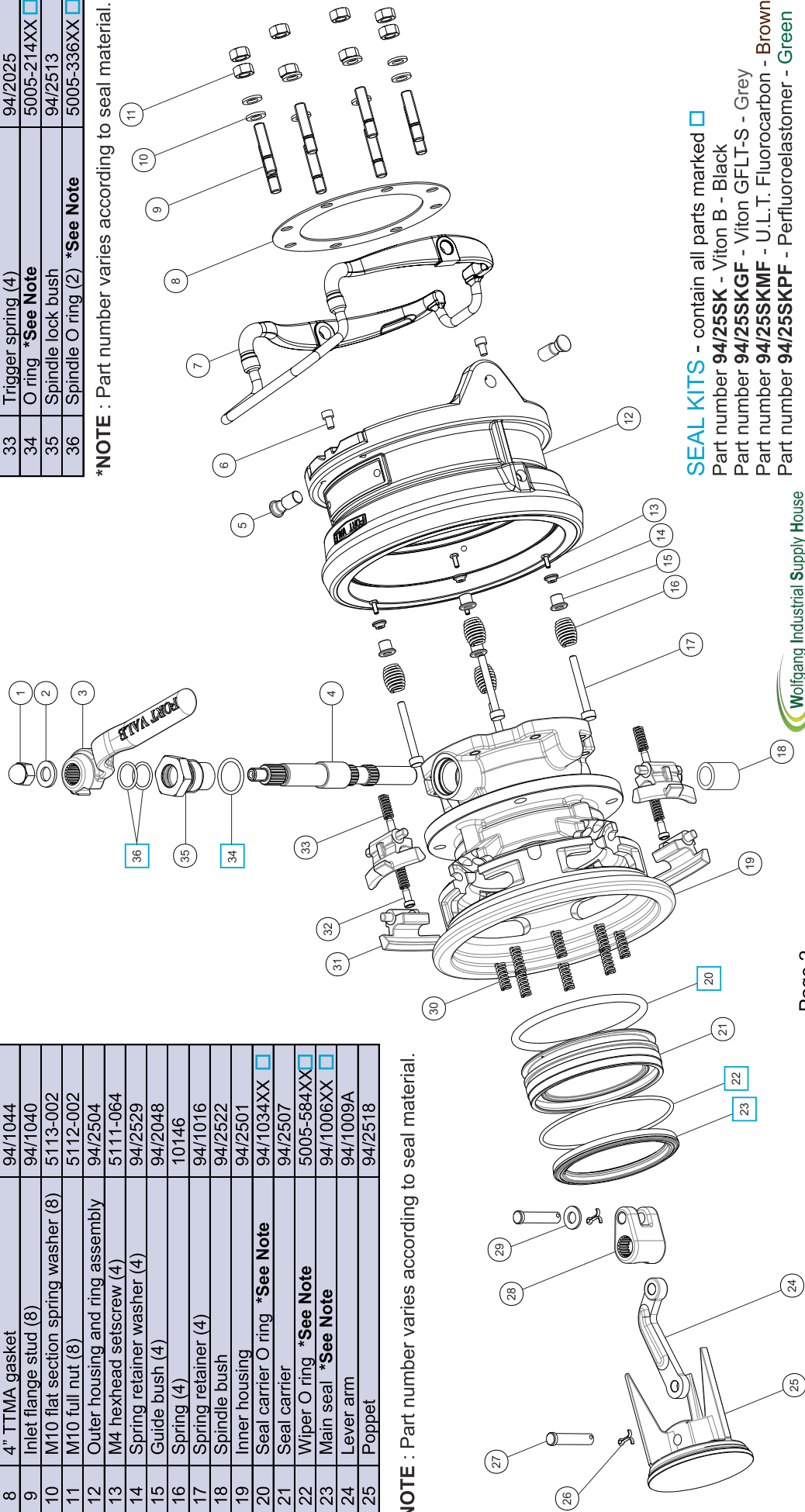
***NOTE :** Part number varies according to seal material.

Part Number : CE94/2500XX

Note: Component parts may vary according to coupler specification.

Item	Description	Part No.
26	Split pin (2)	5118-050
27	Pivot pin (2)	94/1054
28	Splined crank block	94/2528
29	M10 washer	5113-025
30	Energizing spring (8)	94/2024
31	Extended locking trigger (4)	94/2555CE
32	Trigger spring guide (4)	94/2026
33	Trigger spring (4)	94/2025
34	O ring *See Note	5005-214XX <input type="checkbox"/>
35	Spindle lock bush	94/2513
36	Spindle O ring (2) *See Note	5005-336XX <input type="checkbox"/>

***NOTE :** Part number varies according to seal material.



SEAL KITS - contain all parts marked

Part number **94/255K** - Viton B - Black

Part number **94/255KGF** - Viton GFLT-S - Grey

Part number **94/255KMF** - U.L.T. Fluorocarbon - Brown

Part number **94/255KPF** - Perfluoroelastomer - Green