



**DRIPLEX**  
ENGITECH

## Technical Data Sheet

Dry Break Couplings (DDC) according to NATO STANAG 3756.

Specially designed **couplings** for transfer of liquids including Oil, Water, Organic & Inorganic chemicals.  
Easy to use and operate with a minimum requirement of maintenance.

### Size Range

1 inch, 2 inch, 2.5 inch, 3 inch, 4 inch & 6 inch

### Material

Stainless Steel, Aluminium & Brass and Hastelloy (C276).  
Other exotic material available on request.

### Working Pressure

Upto 25 bar

### Flow Rate

Size inch	Coupling ID mm	Maximum Flow Rate Litres/Min.
1"	56 mm	255 L/M
2"	70 mm	920 L/M
2.5"	105 mm	2200 L/M
3"	119 mm	2900 L/M
4"	164 mm	7275 L/M
6"	238 mm	14650 L/M

### Seals

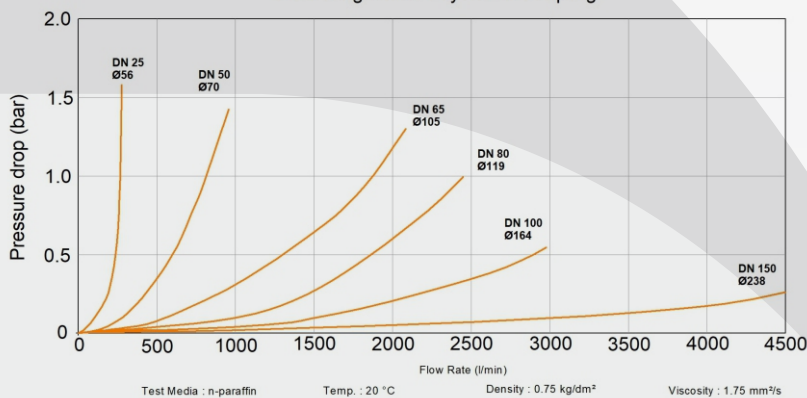
FKM, NBR (Nitrile), EPDM, FFKM

### End Conections

Threaded – BSP, NPT, ISO  
Flange – ANSI, ASME, ISO, DIN, TTMA



Flow Diagram for Dry Break Coupling



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Sr. No.	Size	Coupling	End Connection	Weight (kg)	Material	Working Pressure	Testing Pressure
		Type				Bar	Bar
1	1	Tank Unit	BSP Female	0.8	SS	25	37.5
2	1	Tank Unit	NPT Female	0.8	SS	25	37.5
3	1	Tank Unit	BSP Male	0.8	SS	25	37.5
4	1	Tank Unit	NPT Male	0.8	SS	25	37.5
5	1	Tank Unit	ANSI B16.5 # 150	1.4	SS	25	37.5
6	1	Tank Unit	EN 1092-1 PN 10/16	1.9	SS	10	15
7	1	Tank Unit	EN 1092-1 PN 25/40	1.9	SS	25	37.5
8	1	Tank Unit	BSP Female	0.3	Al	10	15
9	1	Tank Unit	NPT Female	0.3	Al	10	15
10	1	Tank Unit	BSP Male	0.3	Al	10	15
11	1	Tank Unit	NPT Male	0.3	Al	10	15
12	1	Tank Unit	ANSI B16.5 # 150	0.7	Al	10	15
13	1	Tank Unit	EN 1092-1 PN 10/16	0.9	Al	10	15
14	1	Tank Unit	EN 1092-1 PN 25/40	0.9	Al	10	15
15	1	Hose Unit	BSP Female	1.5	SS	25	37.5
16	1	Hose Unit	NPT Female	1.5	SS	25	37.5
17	1	Hose Unit	BSP Male	1.5	SS	25	37.5
18	1	Hose Unit	NPT Male	1.5	SS	25	37.5
19	1	Hose Unit	ANSI B16.5 # 150	2.4	SS	25	37.5
20	1	Hose Unit	EN 1092-1 PN 10/16	2.7	SS	10	15
21	1	Hose Unit	EN 1092-1 PN 25/40	2.7	SS	25	37.5
22	1	Hose Unit	BSP Female	0.6	Al	10	15
23	1	Hose Unit	NPT Female	0.6	Al	10	15
24	1	Hose Unit	BSP Male	0.6	Al	10	15
25	1	Hose Unit	NPT Male	0.6	Al	10	15
26	1	Hose Unit	ANSI B16.5 # 150	1	Al	10	15
27	1	Hose Unit	EN 1092-1 PN 10/16	1.1	Al	10	15
28	1	Hose Unit	EN 1092-1 PN 25/40	1.1	Al	10	15
29	2	Tank Unit	BSP Female	1.2	SS	25	37.5
30	2	Tank Unit	NPT Female	1.2	SS	25	37.5
31	2	Tank Unit	BSP Male	1.5	SS	25	37.5
32	2	Tank Unit	NPT Male	1.5	SS	25	37.5
33	2	Tank Unit	ANSI B16.5 # 150	2.9	SS	25	37.5
34	2	Tank Unit	EN 1092-1 PN 10/16	3.9	SS	10	15
35	2	Tank Unit	EN 1092-1 PN 25/40	3.9	SS	25	37.5
36	2	Tank Unit	BSP Female	0.4	Al	10	15
37	2	Tank Unit	NPT Female	0.4	Al	10	15
38	2	Tank Unit	BSP Male	0.5	Al	10	15
39	2	Tank Unit	NPT Male	0.5	Al	10	15
40	2	Tank Unit	ANSI B16.5 # 150	0.8	Al	10	15
41	2	Tank Unit	EN 1092-1 PN 10/16	1.6	Al	10	15
42	2	Tank Unit	EN 1092-1 PN 25/40	1.6	Al	10	15
43	2	Hose Unit	BSP Female	3.3	SS	25	37.5
44	2	Hose Unit	NPT Female	3.3	SS	25	37.5
45	2	Hose Unit	BSP Male	3.3	SS	25	37.5
46	2	Hose Unit	NPT Male	3.3	SS	25	37.5
47	2	Hose Unit	ANSI B16.5 # 150	6	SS	25	37.5
48	2	Hose Unit	EN 1092-1 PN 10/16	7.5	SS	10	15
49	2	Hose Unit	EN 1092-1 PN 25/40	7.5	SS	25	37.5
50	2	Hose Unit	BSP Female	1.3	Al	10	15
51	2	Hose Unit	NPT Female	1.3	Al	10	15
52	2	Hose Unit	BSP Male	1.3	Al	10	15
53	2	Hose Unit	NPT Male	1.3	Al	10	15
54	2	Hose Unit	ANSI B16.5 # 150	2.6	Al	10	15
55	2	Hose Unit	EN 1092-1 PN 10/16	3	Al	10	15
56	2	Hose Unit	EN 1092-1 PN 25/40	3	Al	10	15

Sr. No.	Size	Coupling	End Connection	Weight (kg)	Material	Working Pressure	Testing Pressure
		Type				Bar	Bar
57	2.5	Tank Unit	BSP Female	4.2	SS	25	37.5
58	2.5	Tank Unit	NPT Female	4.2	SS	25	37.5
59	2.5	Tank Unit	BSP Male	4.5	SS	25	37.5
60	2.5	Tank Unit	NPT Male	4.5	SS	25	37.5
61	2.5	Tank Unit	ANSI B16.5 # 150	5.3	SS	25	37.5
62	2.5	Tank Unit	EN 1092-1 PN 10/16	7.2	SS	10	15
63	2.5	Tank Unit	EN 1092-1 PN 25/40	7.2	SS	25	37.5
64	2.5	Tank Unit	BSP Female	1.5	Al	10	15
65	2.5	Tank Unit	NPT Female	1.5	Al	10	15
66	2.5	Tank Unit	BSP Male	1.6	Al	10	15
67	2.5	Tank Unit	NPT Male	1.6	Al	10	15
68	2.5	Tank Unit	ANSI B16.5 # 150	1.9	Al	10	15
69	2.5	Tank Unit	EN 1092-1 PN 10/16	2.5	Al	10	15
70	2.5	Tank Unit	EN 1092-1 PN 25/40	2.5	Al	10	15
71	2.5	Hose Unit	BSP Female	8.6	SS	25	37.5
72	2.5	Hose Unit	NPT Female	8.6	SS	25	37.5
73	2.5	Hose Unit	BSP Male	8.6	SS	25	37.5
74	2.5	Hose Unit	NPT Male	8.6	SS	25	37.5
75	2.5	Hose Unit	ANSI B16.5 # 150	13	SS	25	37.5
76	2.5	Hose Unit	EN 1092-1 PN 10/16	13.4	SS	10	15
77	2.5	Hose Unit	EN 1092-1 PN 25/40	13.4	SS	25	37.5
78	2.5	Hose Unit	BSP Female	4.5	Al	10	15
79	2.5	Hose Unit	NPT Female	4.5	Al	10	15
80	2.5	Hose Unit	BSP Male	4.5	Al	10	15
81	2.5	Hose Unit	NPT Male	4.5	Al	10	15
82	2.5	Hose Unit	ANSI B16.5 # 150	6.3	Al	10	15
83	2.5	Hose Unit	EN 1092-1 PN 10/16	6.3	Al	10	15
84	2.5	Hose Unit	EN 1092-1 PN 25/40	6.3	Al	10	15
85	3	Tank Unit	BSP Female	5	SS	25	37.5
86	3	Tank Unit	NPT Female	5	SS	25	37.5
87	3	Tank Unit	BSP Male	5	SS	25	37.5
88	3	Tank Unit	NPT Male	5	SS	25	37.5
89	3	Tank Unit	ANSI B16.5 # 150	8.6	SS	25	37.5
90	3	Tank Unit	EN 1092-1 PN 10/16	8.6	SS	10	15
91	3	Tank Unit	EN 1092-1 PN 25/40	8.6	SS	25	37.5
92	3	Tank Unit	BSP Female	1.6	Al	10	15
93	3	Tank Unit	NPT Female	1.6	Al	10	15
94	3	Tank Unit	BSP Male	1.6	Al	10	15
95	3	Tank Unit	NPT Male	1.6	Al	10	15
96	3	Tank Unit	ANSI B16.5 # 150	3.2	Al	10	15
97	3	Tank Unit	EN 1092-1 PN 10/16	3	Al	10	15
98	3	Tank Unit	EN 1092-1 PN 25/40	3	Al	10	15
99	3	Hose Unit	BSP Female	10	SS	25	37.5
100	3	Hose Unit	NPT Female	10	SS	25	37.5
101	3	Hose Unit	BSP Male	10	SS	25	37.5
102	3	Hose Unit	NPT Male	10	SS	25	37.5
103	3	Hose Unit	ANSI B16.5 # 150	15.2	SS	25	37.5
104	3	Hose Unit	EN 1092-1 PN 10/16	15	SS	10	15
105	3	Hose Unit	EN 1092-1 PN 25/40	15	SS	25	37.5
106	3	Hose Unit	BSP Female	4.9	Al	10	15
107	3	Hose Unit	NPT Female	4.9	Al	10	15
108	3	Hose Unit	BSP Male	4.9	Al	10	15
109	3	Hose Unit	NPT Male	4.9	Al	10	15
110	3	Hose Unit	ANSI B16.5 # 150	7.2	Al	10	15
111	3	Hose Unit	EN 1092-1 PN 10/16	9	Al	10	15
112	3	Hose Unit	EN 1092-1 PN 25/40	9	Al	10	15

Sr. No.	Size	Coupling	End Connection	Weight (kg)	Material	Working Pressure	Testing Pressure
		Type				Bar	Bar
113	4	Tank Unit	BSP Female	8.1	SS	25	37.5
114	4	Tank Unit	NPT Female	8.1	SS	25	37.5
115	4	Tank Unit	BSP Male	8.1	SS	25	37.5
116	4	Tank Unit	NPT Male	8.1	SS	25	37.5
117	4	Tank Unit	ANSI B16.5 # 150	15.2	SS	25	37.5
118	4	Tank Unit	EN 1092-1 PN 10/16	15.2	SS	10	15
119	4	Tank Unit	EN 1092-1 PN 25/40	15.2	SS	25	37.5
120	4	Tank Unit	BSP Female	4.2	Al	10	15
121	4	Tank Unit	NPT Female	4.2	Al	10	15
122	4	Tank Unit	BSP Male	4.2	Al	10	15
123	4	Tank Unit	NPT Male	4.2	Al	10	15
124	4	Tank Unit	ANSI B16.5 # 150	5.4	Al	10	15
125	4	Tank Unit	EN 1092-1 PN 10/16	5.4	Al	10	15
126	4	Tank Unit	EN 1092-1 PN 25/40	5.4	Al	10	15
127	4	Hose Unit	BSP Female	18.3	SS	25	37.5
128	4	Hose Unit	NPT Female	18.3	SS	25	37.5
129	4	Hose Unit	BSP Male	18.3	SS	25	37.5
130	4	Hose Unit	NPT Male	18.3	SS	25	37.5
131	4	Hose Unit	ANSI B16.5 # 150	23	SS	25	37.5
132	4	Hose Unit	EN 1092-1 PN 10/16	25.2	SS	10	15
133	4	Hose Unit	EN 1092-1 PN 25/40	25.2	SS	25	37.5
134	4	Hose Unit	BSP Female	9.2	Al	10	15
135	4	Hose Unit	NPT Female	9.2	Al	10	15
136	4	Hose Unit	BSP Male	9.2	Al	10	15
137	4	Hose Unit	NPT Male	9.2	Al	10	15
138	4	Hose Unit	ANSI B16.5 # 150	11.5	Al	10	15
139	4	Hose Unit	EN 1092-1 PN 10/16	11.5	Al	10	15
140	4	Hose Unit	EN 1092-1 PN 25/40	11.5	Al	10	15
141	6	Tank Unit	BSP Female	24.1	SS	25	37.5
142	6	Tank Unit	NPT Female	24.1	SS	25	37.5
143	6	Tank Unit	BSP Male	24.1	SS	25	37.5
144	6	Tank Unit	NPT Male	24.1	SS	25	37.5
145	6	Tank Unit	ANSI B16.5 # 150	32.1	SS	25	37.5
146	6	Tank Unit	EN 1092-1 PN 10/16	31.3	SS	10	15
147	6	Tank Unit	EN 1092-1 PN 25/40	31.3	SS	25	37.5
148	6	Tank Unit	BSP Female	9	Al	10	15
149	6	Tank Unit	NPT Female	9	Al	10	15
150	6	Tank Unit	BSP Male	9	Al	10	15
151	6	Tank Unit	NPT Male	9	Al	10	15
152	6	Tank Unit	ANSI B16.5 # 150	12.2	Al	10	15
153	6	Tank Unit	EN 1092-1 PN 10/16	12	Al	10	15
154	6	Tank Unit	EN 1092-1 PN 25/40	12	Al	10	15
155	6	Hose Unit	BSP Female	49	SS	25	37.5
156	6	Hose Unit	NPT Female	49	SS	25	37.5
157	6	Hose Unit	BSP Male	49	SS	25	37.5
158	6	Hose Unit	NPT Male	49	SS	25	37.5
159	6	Hose Unit	ANSI B16.5 # 150	57.2	SS	25	37.5
160	6	Hose Unit	EN 1092-1 PN 10/16	55	SS	10	15
161	6	Hose Unit	EN 1092-1 PN 25/40	55	SS	25	37.5
162	6	Hose Unit	BSP Female	24.7	Al	10	15
163	6	Hose Unit	NPT Female	24.7	Al	10	15
164	6	Hose Unit	BSP Male	24.7	Al	10	15
165	6	Hose Unit	NPT Male	24.7	Al	10	15
166	6	Hose Unit	ANSI B16.5 # 150	30.6	Al	10	15
167	6	Hose Unit	EN 1092-1 PN 10/16	29	Al	10	15
168	6	Hose Unit	EN 1092-1 PN 25/40	29	Al	10	15