



# Dry Disconnect Coupling Technical Data Sheet

**Gasso Dry Break Coupling** according to NATO STANAG 3756.

Specially designed couplings for transfer of liquids including petroleum derivatives, chemical solvents and corrosive fluids.

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

## Seals

FKM, NBR (Nitrile), EPDM, FFKM

## Material

Stainless Steel, Aluminium & Brass and Hastelloy (C276).

Other exotic material available on request.

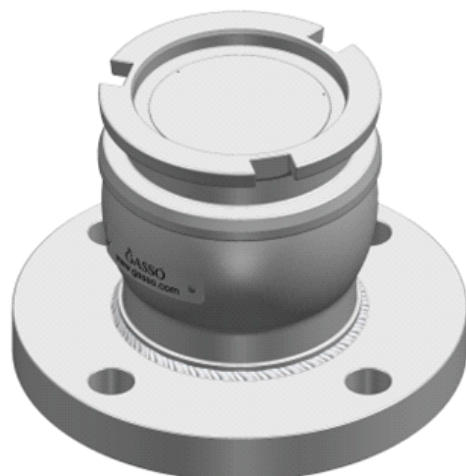
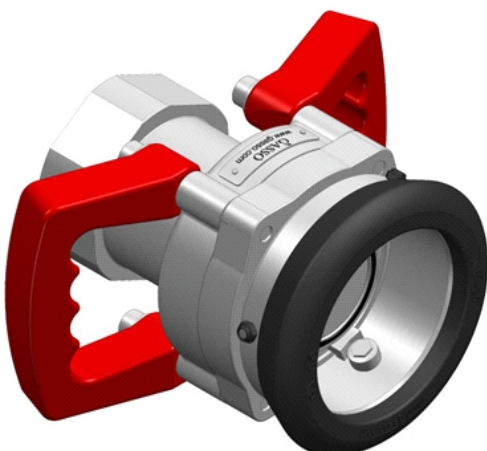
## End Connections

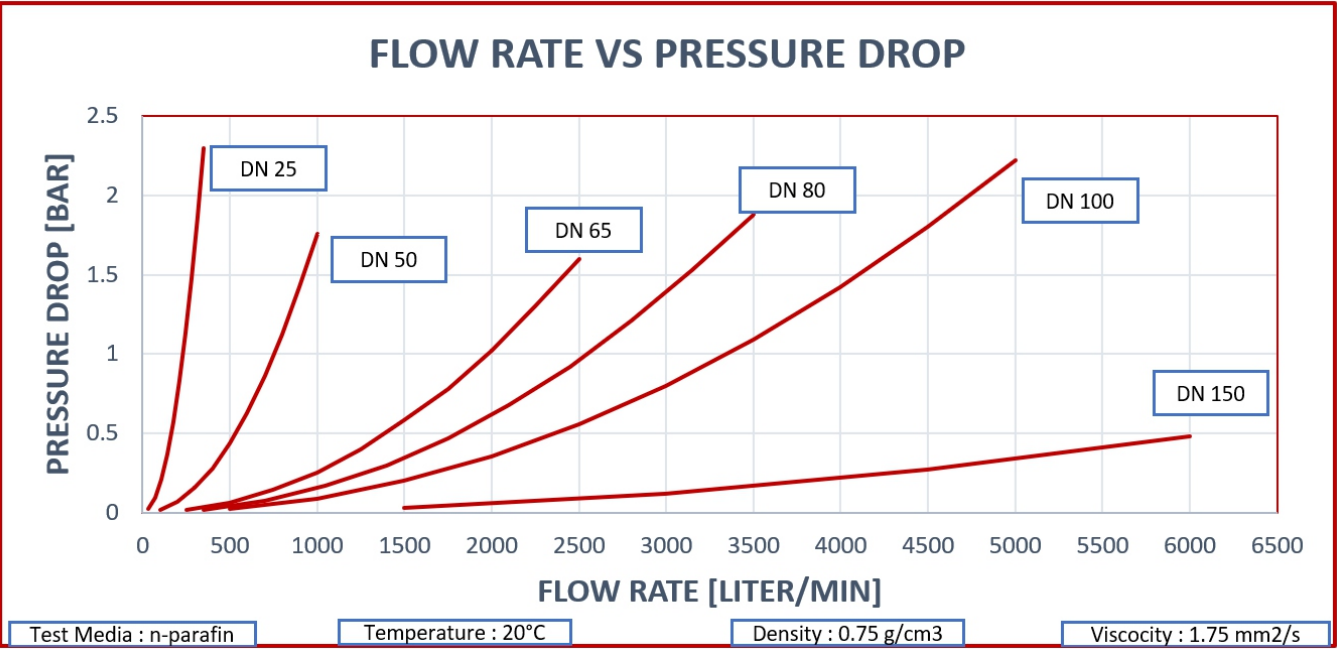
Threaded - BSP, NPT, ISO

Flange - ANSI, ASME, ISO, DIN, TTMA

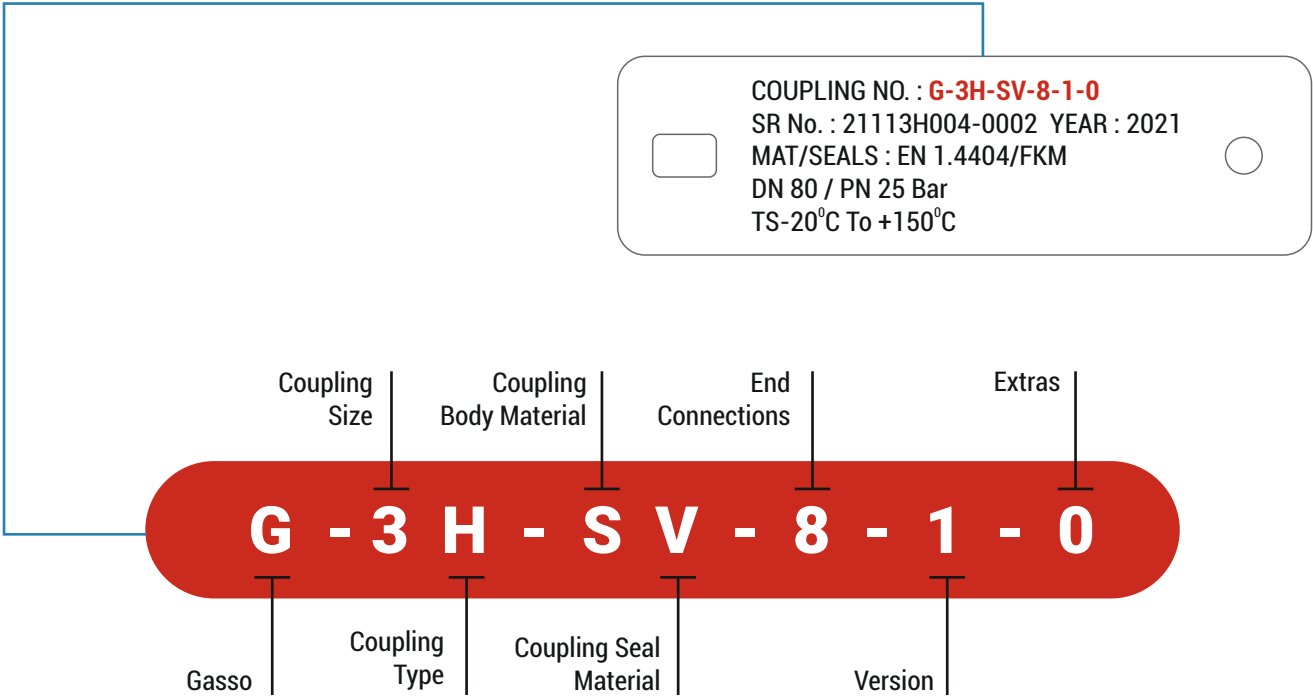
## Working Pressure

Upto 25 bar





Logic Breakdown

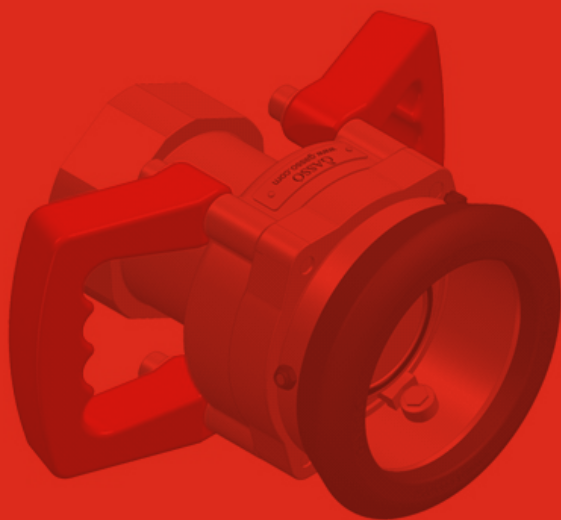


| Sr. | Size | Coupling  | End Connection     | Weight | Material | Working Pressure | Testing Pressure |
|-----|------|-----------|--------------------|--------|----------|------------------|------------------|
| No. |      | Type      |                    | (kg)   |          | Bar              | Bar              |
| 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               |

| Sr. | Size | Coupling  | End Connection     | Weight | Material | Working Pressure | Testing Pressure |
|-----|------|-----------|--------------------|--------|----------|------------------|------------------|
| No. |      | Type      |                    | (kg)   |          | Bar              | Bar              |
| 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               |
| 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               |

| Sr. | Size | Coupling  | End Connection     | Weight | Material | Working Pressure | Testing Pressure |
|-----|------|-----------|--------------------|--------|----------|------------------|------------------|
| No. |      | Type      |                    | (kg)   |          | Bar              | Bar              |
| 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         | 1.7    | Al       | 10               | 15               |
| 93  | 3    | Tank Unit | NPT Female         | 1.7    | Al       | 10               | 15               |
| 94  | 3    | Tank Unit | BSP Male           | 1.7    | Al       | 10               | 15               |
| 95  | 3    | Tank Unit | NPT Male           | 1.7    | 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               |
| 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               |

| Sr. | Size | Coupling  | End Connection     | Weight | Material | Working Pressure | Testing Pressure |
|-----|------|-----------|--------------------|--------|----------|------------------|------------------|
| No. |      | Type      |                    | (kg)   |          | Bar              | Bar              |
| 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               |



#### **Gasso Address Details**

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