



## Line Sampler

For taking a representative sample of the entire fuel delivery

To verify the fuel quality according to classification standards it is necessary to take representative samples of the entire fuel delivery. During the bunker process a visual control is possible, a detailed analysis subsequently.

Fritz Barthel Armaturen GmbH & Co. KG has developed sampling systems for this purpose. Representative samples can be taken from the bunker pipelines even in conformity with the strict rules of the DNVPS (Det Norske Veritas Petrol Services) and MARPOL 73/78.

The system is customised for any product line. It can be adapted to horizontal and to vertical pipelines as well. In case of order please indicate the flow direction.



| NPS    | PN      | Orientation<br>(flow direction) | OD<br>[mm] | ID<br>[mm] | PCD<br>[mm] | Length<br>[mm] | Holes | Bore $\phi$<br>[mm] | Barthel<br>Article No. |
|--------|---------|---------------------------------|------------|------------|-------------|----------------|-------|---------------------|------------------------|
| DN 40  | 10 / 16 | vertical                        | 150        | 43         | 110         | 20             | 8     | 18                  | 39-403-000             |
| DN 50  | 10 / 16 | horizontal                      | 165        | 54,5       | 124         | 20             | 4     | 18                  | 39-388-000             |
| DN 50  | 10 / 16 | vertical                        | 165        | 54,5       | 124         | 20             | 4     | 18                  | 39-294-000             |
| DN 65  | 10 / 16 | vertical                        | 185        | 70,3       | 145         | 20             | 4     | 18                  | 39-313-000             |
| DN 80  | 10 / 16 | horizontal                      | 200        | 82,5       | 160         | 20             | 8     | 18                  | 39-212-000             |
| DN 80  | 10 / 16 | vertical                        | 200        | 82,5       | 160         | 20             | 8     | 18                  | 39-271-000             |
| DN 100 | 10 / 16 | horizontal                      | 220        | 107        | 180         | 20             | 8     | 18                  | 39-213-000             |
| DN 100 | 10 / 16 | vertical                        | 220        | 107        | 180         | 20             | 8     | 18                  | 39-218-000             |
| DN 125 | 10 / 16 | horizontal                      | 250        | 131        | 210         | 22             | 8     | 18                  | 39-339-000             |
| DN 125 | 10 / 16 | vertical                        | 250        | 131        | 210         | 22             | 8     | 18                  | 39-397-000             |
| DN 150 | 10 / 16 | horizontal                      | 285        | 159        | 240         | 22             | 8     | 22                  | 39-214-000             |
| DN 150 | 10 / 16 | vertical                        | 285        | 159        | 240         | 22             | 8     | 22                  | 39-311-000             |
| DN 200 | 10      | horizontal                      | 340        | 207        | 295         | 24             | 8     | 22                  | 39-215-000             |
| DN 200 | 10      | vertical                        | 340        | 207        | 295         | 24             | 8     | 22                  | 39-328-000             |
| DN 250 | 10      | horizontal                      | 395        | 260        | 350         | 26             | 12    | 22                  | 39-216-000             |
| DN 300 | 10      | horizontal                      | 445        | 310        | 400         | 26             | 12    | 22                  | 39-217-000             |

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### Scope of supply:

- Stainless steel flange part
- 1 pc Sampling probe incl. pressure gauge (0 – 10 bar), needle valve, bottle support, plug (PVDF)
- bolts, nuts, 2 gaskets, adaptor to use DNV Cubitainer
- 5 pcs Politainer® à 5 l (Barthel-Standard)

**Materials:**  
1.4571  
1.4541  
SS 316

**Other  
flange standards  
on request**

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