



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 (flow direction)	OD [mm]	ID [mm]	PCD [mm]	Length [mm]	Holes	Bore ϕ [mm]	Barthel 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

date: 08.2014

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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