



Pipeline Accessories



Cleaning Pigs 4 pipes



Foam pigs provide a secure and economical very effective cleaning of pipelines.

Product information

Foam pigs are mainly used to clean all types of pipelines. The pig cleaning method removes deposits, rust, encrustation and fluid scrape from the pipeline. Foam pigs eliminate unwanted build-ups causing reduction of the pipe internal diameter. Foam pigs can also be used for drying purposes e.g. after hydrostatic tests, draining or for filling and mixing of water with several cleaning media.

To achieve a high cleaning effect, foam pigs are available in several designs, depending on the application. Foam pigs have the ability to travel easily through pipe bends, tees, valves and reduced pipe sections.

Transport medium for foam pigs

- Compressed air
- Water pressure
- With pipe product
- Pulling with a rope

For pipelines made of

- Steel
- Plastic
- Cast iron
- Vitrified clay
- Pipes with internal lining

Advantages

- Fast and easy cleaning
- Secure cleaning for long pipe distances
- Cost- efficient
- No power decrease of pipeline

4 pipes foam pigs are available in three densities:

- Super Soft:** 24 – 32 kg/m³ (1 ½ - 2 lbs. cu. Ft)
polyurethane foam, colour: Yellow
- Medium Soft:** 80 – 112 kg/m³ (5 - 7 lbs. cu. Ft)
polyurethane foam, colour: Blue
- Hard:** 128 – 160 kg/m³ (8 - 10 lbs. cu. Ft)
polyurethane foam, colour: Red

Super Soft, Yellow

Pig outer diameter (D) compression: 50 %

Cleaning of minor and unknown deposits, final drying after hydrostatic testing. Pig for min. pipe bend radius type 3 (1.5 d)



Type **PM – S**
with thin PU coated base plate



Type **PM – SX**
crosswise PU coated

Medium Soft, Blue

Pig outer diameter (D) compression: 10 - 25 %

Cleaning of slight and soft deposits, drying, for long pipelines, for complex pipelines with a lot of bends, valves, fittings, etc. Removal of slight corrosion/ rust, dewatering, filling and separation of liquids. Pig for min. pipe bend radius type 3 (1.5 d)



Type **PM – M**
with PU coated base plate,
Pig outer diameter
compression: 25%



Type **PM – MX**
crosswise PU coated,
Pig outer diameter
compression: 20%



Type **PM – MV**
fully PU coated, Pig outer diameter
compression: 10%
(other steel brushes qualities for e.g.
stainless steel on request)

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Type **PM – MXB**
spiral formed galvanized steel wire brushes and PU coated, Pig outer diameter compression: 10% (other steel brushes qualities for e.g. stainless steel on request)



Type **PM – HXC**
spiral formed abrasive coated paper and PU coated, Pig outer diameter compression: 10%



Type **PM – MXC**
spiral formed abrasive coated paper and PU coated, Pig outer diameter compression: 15%



Type **PM – HVS**
fully coated with galvanized steel wire brushes, Pig outer diameter compression: 5%

Hard, Red Pig outer diameter (D) compression: 5 - 25 %

Cleaning of heavy deposits, drying of very long pipelines, removal of strong corrosion/ rust, filling and separation of liquids. Pig for min. pipe bend radius type 3 (1.5 d)



Type **PM – H**
with PU coated base plate, Pig outer diameter compression: 20%



Type **PM – HX**
crosswise PU coated, Pig outer diameter compression: 15%



Type **PM – HV**
fully PU coated, Pig outer diameter compression: 10%

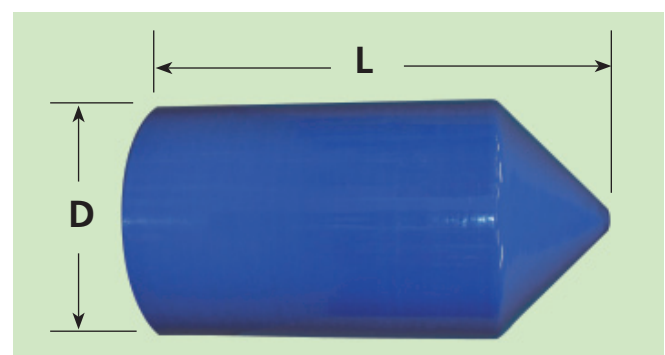


Type **PM – HXB**
spiral formed galvanized steel wire brushes and PU coated, Pig outer diameter compression: 5% (steel brushes qualities for e.g. stainless steel on request)

Foam pig dimensions: Mid and Hart				Foam pig dimensions: Super Soft	
inch	DN	D mm*	L mm*	D mm*	L mm*
2,0	50	56	120	85	100
2,5	65	69	120	85	100
3,0	80	82	145	100	135
4,0	100	108	200	125	180
5,0	125	133	245	155	225
6,0	150	163	320	180	265
7,0	175	189	370	235	355
8,0	200	213	420	235	355
10,0	250	263	520	290	445
12,0	300	315	610	345	535
14,0	350	350	700	395	605
16,0	400	398	710	440	660
18,0	450	448	720	490	745
20,0	500	500	790	540	830
22,0	550	552	850	590	915
24,0	600	604	935	640	1005
26,0	650	660	1010	690	1090
28,0	700	700	1100	740	1175
30,0	750	755	1170	795	1265
32,0	800	780	1240	845	1350
34,0	850	840	1360	920	1435
36,0	900	905	1400	970	1520
40,0	1000	1008	1550	1020	1610

*Tolerance ± 2mm

More and other dimension on request





Individual pig types

Foam pigs can be manufactured on request as follows:

- Pigs with **loop** on one or on both ends of the pig. (For a rope connection).
- **Double bulled nose shaped pig ends**, for forward and backward pipe cleaning movements
- **With special diameters**
- **Brushes made of nylon or stainless steel**
- Pig with cavity, for mounting a **transmitter** inside the pig
- **Cup-pigs** on request

Checklist for a proper pig cleaning and selection

Pipe inner diameter (DN or ID)	
Pipe quality, for e.g. PE, steel etc.	
Pipe length	
Dimension of bends, valves, fittings, etc.	
Transport medium (for e.g. water or air)	
Type of entry and exit possibilities for the pig	
Size and Type of deposits (for e.g. rust, sand, mud, grease, limescale etc.)	
Which pressures are available for the cleaning procedure	