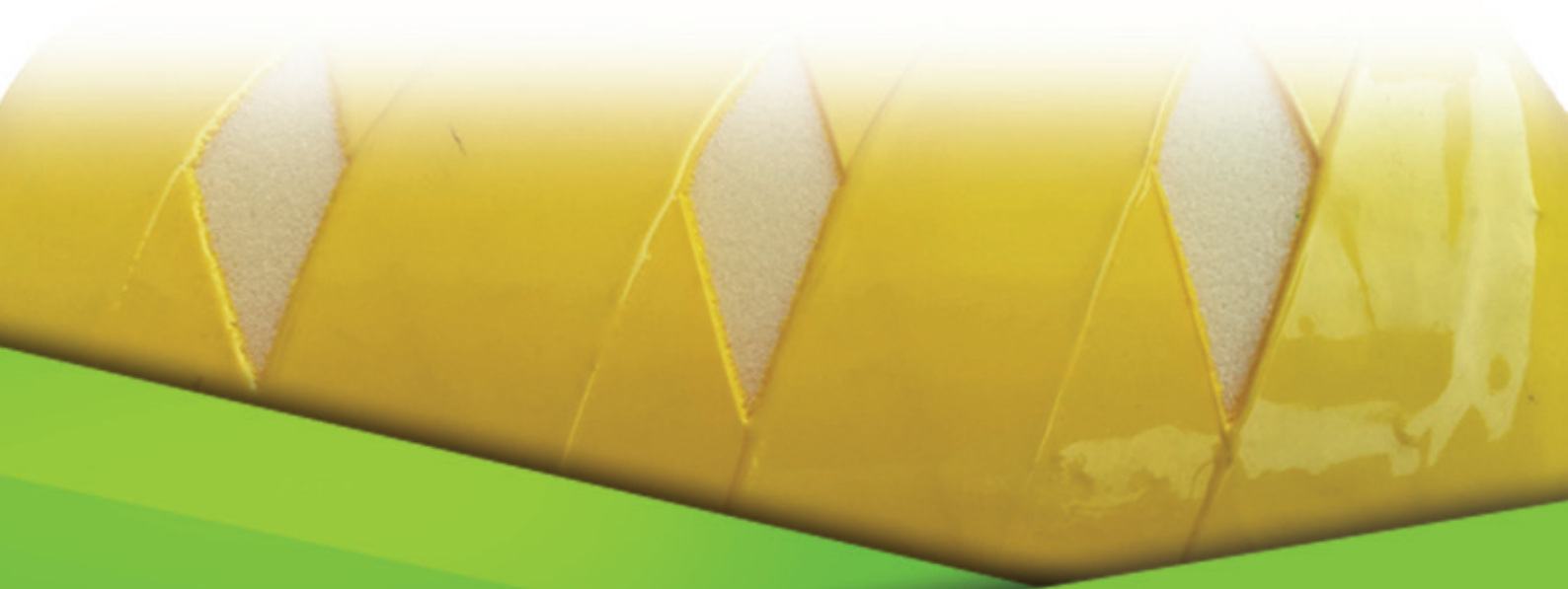




Pipeline Accessories

Cleaning Pigs 4 pipes





Foam pigs can be used to clean pipelines reliably and cost-effectively.

Product information

Foam pigs are mainly used to clean all types of pipelines. The pig cleaning method removes deposits, rust, encrustation and residue from the pipeline. Foam pigs eliminate unwanted build-ups causing reduction of the pipe internal diameter. Foam pigs can also be used for other purposes, such as drying (e.g. after hydrostatic tests), draining, separating and filling of pipes with various substances.

To optimize the cleaning effect, foam pigs are available in several designs, depending on the application. Foam pigs can easily pass through pipe bends, T-pieces, valves and narrow sections.

Moving the foam pig through the pipe

- Use compressed air
- Use water pressure
- Use the flow of the substance in pipe
- Pull with a rope

For pipelines made of

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

Advantages

- Fast and easy cleaning
- Reliable cleaning for long pipe distances
- Cost efficient
- No drop in performance 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 low-level and undetermined 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 for mid-level 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-brush qualities (e.g. for stainless steel) on request

Cleaning Pigs 4 pipes



Type **PM – MXB**
 spiral formed galvanized steel wire brushes and PU-coated, pig outer diameter compression: 10%
 other steel-brush qualities (e.g. for 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 severe 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%

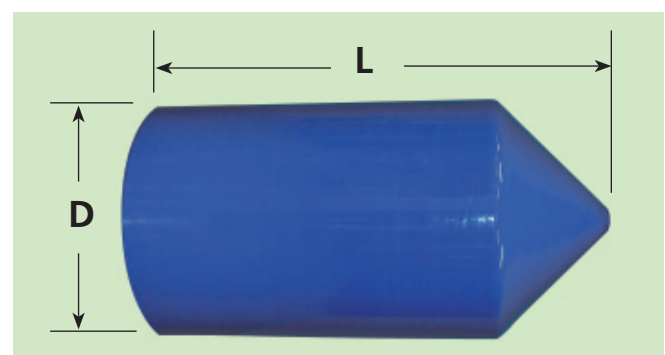


Type **PM – HXB**
 spiral formed galvanized steel wire brushes and PU-coated, pig outer diameter compression: 5%
 other steel-brush qualities (e.g. for stainless steel) on request

Foam pig dimensions: Mid and Hard				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

Other dimension on request



Cleaning Pigs 4 pipes



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).
- **Conical at both ends, so foam pig can move in both directions**
- **With special diameters**
- **Brushes made of nylon or stainless steel**
- Pig with cavity, for installing a transmitter inside the pig
- **Foam pigs with attached collar, on request**

Checklist to select the right cleaning pig

Pipe inner diameter (DN or ID)	
Pipe quality, for e.g. PE, steel etc.	
Pipe length	
Dimension of bends, valves, fittings, etc.	
How will the pig move through pipe (e.g. water or air pressure)?	
How will the pig enter and exit the pipe?	
Type and extent of deposits (e.g. rust, sand, mud, grease, limescale)	
How much pressure or force is used to move pig through pipe?	