

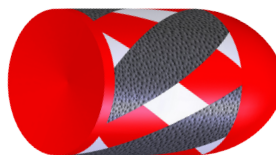
FOAM



Foam Pigs

2 - 60"

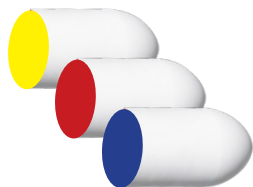
Pg. 4-2



MDWB

2 - 60"

Pg. 4-9



Foam Diameters

Pg. 4-3



MDCC

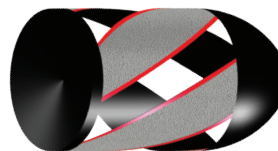
2 - 60"

Pg. 4-10

Size	Material	Application	1/2"	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"	60"	
1/2"	PS	General Purpose																						
3/4"	PS	General Purpose																						
1"	PS	General Purpose																						
1 1/2"	PS	General Purpose																						
2"	PS	General Purpose																						
3"	PS	General Purpose																						
4"	PS	General Purpose																						
6"	PS	General Purpose																						
8"	PS	General Purpose																						
10"	PS	General Purpose																						
12"	PS	General Purpose																						
14"	PS	General Purpose																						
16"	PS	General Purpose																						
18"	PS	General Purpose																						
20"	PS	General Purpose																						
24"	PS	General Purpose																						
30"	PS	General Purpose																						
36"	PS	General Purpose																						
42"	PS	General Purpose																						
48"	PS	General Purpose																						
60"	PS	General Purpose																						

Selecting A Foam Pig

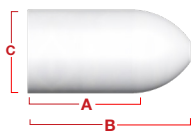
Pg. 4-4



MDPB

2 - 60"

Pg. 4-11



Foam Sizes

Pg. 4-5



MDFC

2 - 60"

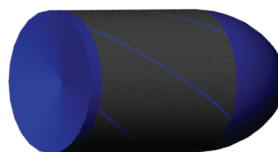
Pg. 4-12



SLS

1 - 48"

Pg. 4-6



Porcupine

2 - 60"

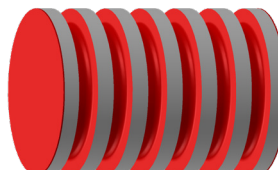
Pg. 4-13



MLS

1 - 48"

Pg. 4-7



ProVex FD™

2 - 42"

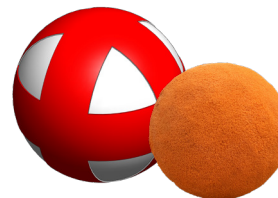
Pg. 4-14



MDBS

2 - 60"

Pg. 4-8



Foam Spheres & Balls

Pg. 4-15

Foam Pigs

2-60" (51-1524mm)

Versatile. Economic. Field-proven. Known as the most common and cost-effective pigging solution for pipeline cleaning, Apache offers its line of multi-faceted foam pigs and spheres.

Not only do they remove liquids in natural gas pipelines, this specialist line reduces wax build-up in crude oil pipelines, de-waters lines following hydrostatic testing, dries pipelines, and provides light to moderate cleaning.



Features & Benefits:

- To perform effectively, all Apache foam pigs and spheres are manufactured from the highest quality open cell polyurethane foam. This special composition of polyurethane is very durable. It resists abrasion, making it hard wearing, offering maximum flexibility for use in a wide range of applications.
- Foam pigs are exceptionally flexible, which is critical to their ability to operate in a variety of the most complex pipeline networks. They can easily negotiate short radius bends, miter bends, tees, and multi-diameter lines.
- The basic foam pig design can be customized to include a number of tough urethane coatings. For example, by simply adding aggressive wire brushes into urethane coating, the pig acts as a durable, efficient cleaner for hard pipe scale applications.
- Apache offers a number of different profiles of foam pigs, each with its individual characteristics. Here are just a few of them:
 - Double Dish - Ideal for bi-directional operations and evacuating liquids.
 - Double Nose – Perfect for bi-directional operations and in multi-diameter pipeline.
 - Foam Balls – Excellent for bi-directional operations, and navigating short radius bends for drying, wiping and scraping.

Options Available:

- Polypropylene handling rope for one or both ends of the pig for easy handling.
- Transmitter housing to accommodate electronic tracking equipment.
- Custom designs and sizes are available. Please contact Apache for more details.

Light Density
3-4 lb/ft³

Medium Density
5-7 lb/ft³

Hard Density
8-10 lb/ft³

Outside Diameter of Bare, Uncoated Foam Pigs

No two pipelines are alike. So when it comes to developing a custom foam pig solution to meet your needs, Apache offers some basic guidelines about foam pig diameter.

Apache recommends that the diameter of foam pigs be no less than 5% larger than the inside diameter of the pipe. Foam pigs are designed to navigate short radius bends and traverse up to a 35% anomaly in pipe bore.

At Apache, we manufacture foam pigs from 2" to 60". Our diameter range is in line with all standard pipe sizes, and features a finished diameter tolerance of +/- 2%. Bear in mind that applying a coating of polyurethane to the outside surface of a foam pig will increase the diameter by 0.125" to 0.250".

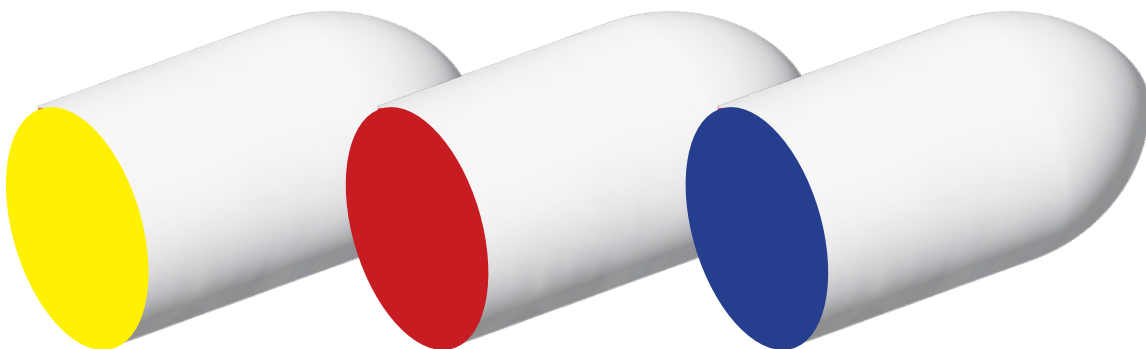
If you would like us to develop a custom solution for you, just get in touch.

Available Diameters:

2", 3", 4", 5", 6", 7", 8", 10" & 12"
Available in +1/4" or +1/2"

14" to 60"
Even Sizes Only

Other diameters are available on a custom order basis.







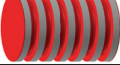




Light Density
3-4 lb/ft³

Medium Density
5-7 lb/ft³






Hard Density
8-10 lb/ft³

Selecting A Foam Pig

3 = Excellent 2 = Good 1 = Fair 0 = Poor

Style	Density (lb/ft ³)	Description	Function	Dewatering or Fill	Drying	Light to Moderate Cleaning	Heavy Cleaning & Scraping	Liquid Displacement	Paraffin Displacement
	Heavy 8-10	HDBS Heavy Density Bare Squeegee	Heavy Drying	3	2	1	0	2	1
	Heavy 8-10	HDCC Heavy Density Criss Cross	Heavy Wiping	2	2	3	2	1	2
	Heavy 8-10	HDWB Heavy Density Wire Brush	Heavy Scraping	0	0	2	3	0	2
	Heavy 8-10	HDSC Heavy Density Silicone Carbide	Heavy Scraping	0	0	2	2	0	2
	Heavy 8-10	Porcupine Total Wire Brush	Max Scraping	0	0	2	3	0	3
	Medium 5-7	ProVex FD™	Liquid Removal Drying	3	3	3	0	3	3
	Medium 5-7	MDBS Medium Density Bare Squeegee	Regular Drying	3	2	1	0	2	1
	Medium 5-7	MDCC Medium Density Criss Cross	Regular Wiping	2	2	1	1	1	1
	Medium 5-7	MDWB Medium Density Wire Brush	Regular Scraping	0	0	3	2	0	2
	Medium 5-7	MDSC Medium Density Silicone Carbide	Regular Scraping	0	0	3	2	0	2
	Medium 5-7	MDPB Medium Density Plastic Brush	Regular Scraping in Lined or Plastic Pipe	0	0	3	3	0	2
	Light 3-4	LDBS Light Density Bare Squeegee	Light Drying	0	3	0	0	0	0
	Light 1-2	SLS Super Light Swab	Light Drying	0	3	0	0	0	0
	Light 2-3	MLS Medium Light Swab	Light Drying	0	3	0	0	0	0

Options:

	Handling Rope	Polypropylene rope for one or both ends of the pig for easy handling.
	Full Coat	Regular Scraping
	Double Dish	Ideal for bi-directional operations and evacuation of liquids.
	Foam Balls	Bi-directional, short radius bends for drying, wiping and scraping.
	Transmitter Cavity	Standard and customized cavity for encasing transmitters for pig tracking.

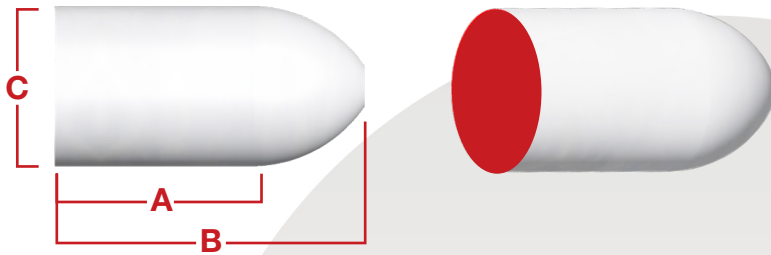
Additional Information:

- Foam pigs are used to remove liquids in natural gas pipelines, reduces wax build-up in crude oil lines, de-waters lines following hydrostatic testing, dries pipelines and provides light to heavy cleaning & scraping.
- 5 lb -vs- 8 lb Foam -- Higher density foam is typically used for longer runs and more aggressive cleaning.
- Medium Density pigs are able to negotiate a 25% restriction in pipe bore.
- Economical, maintenance free, and disposable.
- Pressure on concave rear is designed to create more force on pipe wall to prevent by-pass.

1575 - 90 Ave Edmonton, AB Canada T6P 0E2

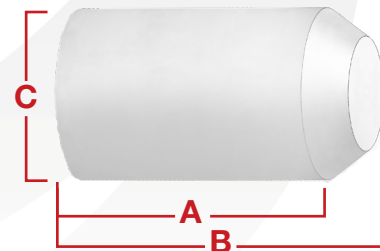
Ph: 780.416.4850 | Fax: 780.416.4829 | apachepipe.com | Email: sales@apachepipe.com

world class world wide



Size	A	B	C
2"	2.500	4.000	2.000
2-1/4"	2.875	4.500	2.250
2-1/2"	3.250	4.875	2.500
2-3/4"	3.500	5.375	2.750
3"	3.750	5.750	3.000
3-1/4"	4.125	6.250	3.250
3-1/2"	4.500	6.750	3.500
3-3/4"	4.750	7.250	3.750
4"	5.000	7.750	4.000
4-1/4"	5.375	8.375	4.250
4-1/2"	5.625	9.000	4.500
4-3/4"	6.000	9.250	4.750
5"	6.375	9.750	5.000
5-1/4"	6.625	10.250	5.250
5-1/2"	7.000	10.750	5.500
5-3/4"	7.375	11.250	5.750
6"	7.625	11.750	6.000
6-1/4"	7.875	12.250	6.250
6-1/2"	8.500	12.875	6.500
6-3/4"	8.625	13.250	6.750
7"	8.875	13.750	7.000
7-1/4"	9.250	14.250	7.250
8"	10.125	15.500	8.000
8-1/4"	10.375	16.125	8.250
8-1/2"	10.750	16.375	8.500

Size	A	B	C
10"	12.500	19.500	10.000
10-1/4"	12.875	20.000	10.250
10-1/2"	13.250	20.500	10.500
12"	15.000	23.375	12.000
12-1/4"	15.325	23.875	12.250
12-1/2"	15.750	24.375	12.500
14"	17.500	24.500	14.000
16"	20.000	28.000	16.000
18"	22.500	31.500	18.000
20"	25.000	35.000	20.000
22"	27.500	38.500	22.000
24"	30.000	42.000	24.000



Sizes 26" to 60" use our Tapered Nose Pig design.

Size	A	B	C
26"	39.00	45.00	26.00
28"	42.00	48.50	28.00
30"	45.00	52.00	30.00
32"	48.00	55.50	32.00
34"	51.00	59.00	34.00
36"	54.00	62.50	36.00
38"	57.00	66.00	38.00
40"	60.00	69.50	40.00
42"	63.00	73.00	42.00
48"	72.00	83.50	48.00
52"	74.00	86.00	52.00
56"	76.50	88.50	56.00
60"	90.00	104.50	60.00

*Custom Sizes Available Upon Request

1575 - 90 Ave Edmonton, AB Canada T6P 0E2

Ph: 780.416.4850 | Fax: 780.416.4829 | apachepipe.com | Email: sales@apachepipe.com

SLS

1-48" (25-1219mm)

The Apache SLS (super light swab) is a lightweight open cell foam pig designed for absorption and drying pipelines.

The soft density allows the SLS to easily navigate restrictions and be used in varying wall thicknesses and pipeline ID's. Commonly coated on one end with our tough polyurethane elastomer.



"A" represents sealing surface

Size	A	B
1"	2.25	1.5
2"	3.75	2.5
3"	5.75	3.5
4"	6.75	4.5
6"	9.75	6.5
8"	12.75	8.5
10"	15.75	10.5
12"	18.75	12.5
16"	24.75	16.5
20"	30.75	20.5
24"	36.75	24.5
30"	45.75	30.5
34"	51.75	34.5
36"	54.75	36.5
42"	63.75	42.5
48"	72.75	48.5

Features & Benefits:

- Drying.
- Works in all piping systems.

Options Available:

- Handling ropes available on one or both ends.
- Custom OD's and lengths.
- Bi-directional (coated on both ends).

MLS

1-48" (25-1219mm)

The Apache MLS (medium light swab) is a lightweight open cell foam pig designed for absorption and drying pipelines.

The MLS is slightly firmer than the SLS, allowing that style to hold up better and do some light cleaning. Commonly coated on one end with our tough polyurethane elastomer.



"A" represents sealing surface

Size	A	B
1"	2.25	1.5
2"	3.75	2.5
3"	5.75	3.5
4"	6.75	4.5
6"	9.75	6.5
8"	12.75	8.5
10"	15.75	10.5
12"	18.75	12.5
16"	24.75	16.5
20"	30.75	20.5
24"	36.75	24.5
30"	45.75	30.5
34"	51.75	34.5
36"	54.75	36.5
42"	63.75	42.5
48"	72.75	48.5

Features & Benefits:

- Drying.
- Works in all piping systems.

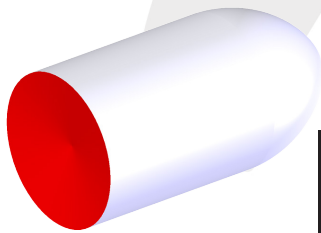
Options Available:

- Handling ropes available on one or both ends.
- Custom OD's and lengths
- Bi-directional (coated on both ends)

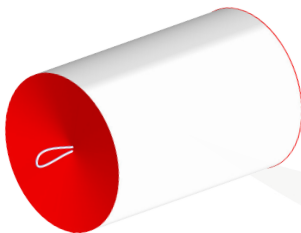
MDBS & MDBS DD

2-60" (51-1524mm)

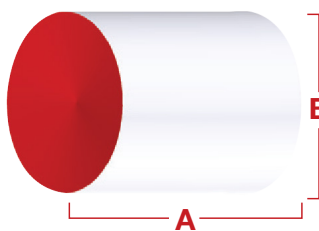
The Apache MDBS (medium density bare squeegee) and MDBS DD (medium density bare squeegee, double dish) are lightweight open cell foam pigs designed for light cleaning and drying pipelines. The double dish is ideal for bi-directional operations and evacuation of liquids. The medium density helps both styles navigate restrictions. MDBS Foam Pigs are the most cost effective, versatile design of pipeline cleaner in the market today.



MDBS
Medium Density
Bare Squeegee



MDBS DD
Medium Density
Bare Squeegee
Double Dish



"A" represents sealing surface. This dimension is the same for both styles.

Features & Benefits:

- Drying.
- Light cleaning.
- Dewatering.
- Works in all piping systems.

Options Available:

- Handling rope.
- Trans-Cavity.
- Custom sizes available.
- Also available in light density (yellow) and hard density (blue).

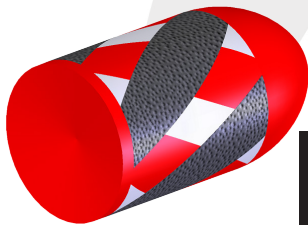
Size	A	B
2"	2.500	2.000
	2.875	2.250
	3.250	2.500
	3.500	2.750
3"	3.750	3.000
	4.125	3.250
	4.500	3.500
4"	4.750	3.750
	5.000	4.000
	5.375	4.250
	5.625	4.500
5"	6.000	4.750
	6.375	5.000
	6.625	5.250
	7.000	5.500
6"	7.375	5.750
	7.625	6.000
	7.875	6.250
7"	8.500	6.500
	8.625	6.750
	8.875	7.000
8"	9.250	7.250
	10.125	8.000
	10.375	8.250
	10.750	8.500

Size	A	B
10"	12.500	10.000
	12.875	10.250
	13.250	10.000
12"	15.000	12.000
	15.325	12.250
	15.750	12.500
14"	17.500	14.000
16"	20.000	16.000
16.25"	20.375	16.250
16.50"	20.375	16.500
18"	22.500	18.000
20"	25.000	20.000
22"	27.500	22.000
23.50"	30.500	23.500
24"	30.000	24.000
26"	39.000	26.000
30"	45.000	30.000
32"	48.000	32.000
34"	51.000	34.000
36"	54.000	36.000
40"	60.000	40.000
42"	63.000	42.000
48"	72.000	48.000
56"	76.500	56.000
60"	90.000	60.000

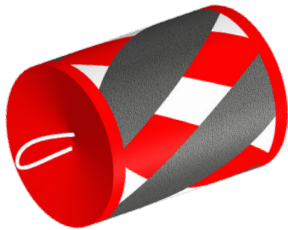
MDWB & MDWB DD

2-60" (51-1524mm)

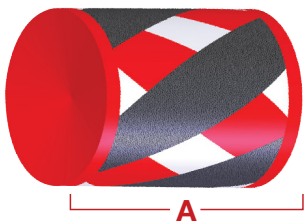
The Apache MDWB (medium density wire brush) and MDWB DD (medium density wire brush, double dish) are light weight open cell foam pigs designed for cleaning and scraping pipelines. The Double Dish is ideal for bi-directional operations and evacuation of liquids. The medium density helps both styles navigate restrictions. MDWB Foam pigs are one of the most cost effective, durable designs of pipeline cleaners in the market today.



MDWB
Medium Density
Wire Brush



MDWB DD
Medium Density
Wire Brush
Double Dish



"A" represents sealing surface. This dimension is the same for both styles.

Features & Benefits:

- Scraping.
- Cleaning.

Options Available:

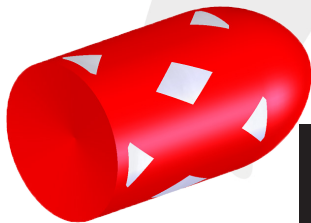
- Handling rope.
- Trans-Cavity.
- Custom sizes available.
- Also available in light density (yellow) and hard density (blue).

Size	A	B	Size	A	B
2"	2.500	2.000	10"	12.500	10.000
	2.875	2.250		12.875	10.250
	3.250	2.500		13.250	10.000
	3.500	2.750	12"	15.000	12.000
3.750	3.000	15.325		12.250	
4.125	3.250	15.750		12.500	
3"	4.500	3.500	14"	17.500	14.000
	4.750	3.750	16"	20.000	16.000
	5.000	4.000	16.25"	20.375	16.250
4"	5.375	4.250	16.50"	20.375	16.500
	5.625	4.500	18"	22.500	18.000
	6.000	4.750	20"	25.000	20.000
	6.375	5.000	22"	27.500	22.000
5"	6.625	5.250	23.50"	30.500	23.500
	7.000	5.500	24"	30.000	24.000
	7.375	5.750	26"	39.000	26.000
	7.625	6.000	30"	45.000	30.000
6"	7.875	6.250	32"	48.000	32.000
	8.500	6.500	34"	51.000	34.000
	8.625	6.750	36"	54.000	36.000
	8.875	7.000	40"	60.000	40.000
7"	9.250	7.250	42"	63.000	42.000
	10.125	8.000	48"	72.000	48.000
8"	10.375	8.250	56"	76.500	56.000
	10.750	8.500	60"	90.000	60.000

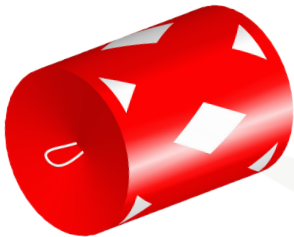
MDCC & MDCC DD

2-60" (51-1524mm)

The Apache MDCC (medium density criss cross) and MDCC DD (medium density criss cross, double dish) are lightweight open cell foam pigs designed for cleaning and drying pipelines. The Double Dish is ideal for bi-directional operations and evacuation of liquids. The medium density helps both styles navigate restrictions. MDCC Foam pigs are one of the most cost effective, durable designs of pipeline cleaners in the market today.



MDCC
 Medium Density
 Criss Cross



MDCC DD
 Medium Density
 Criss Cross
 Double Dish



"A" represents sealing surface. This dimension is the same for both styles.

Features & Benefits:

- Cleaning.
- Dewatering.
- Works in all piping systems.

Options Available:

- Handling rope.
- Trans-Cavity.
- Custom sizes available.
- Also available in light density (yellow) and hard density (blue).

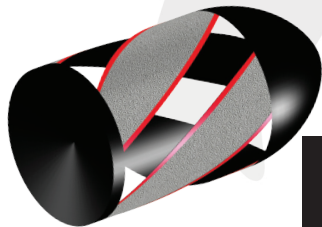
Size	A	B
2"	2.500	2.000
	2.875	2.250
	3.250	2.500
	3.500	2.750
3"	3.750	3.000
	4.125	3.250
	4.500	3.500
4"	4.750	3.750
	5.000	4.000
	5.375	4.250
	5.625	4.500
5"	6.000	4.750
	6.375	5.000
	6.625	5.250
	7.000	5.500
6"	7.375	5.750
	7.625	6.000
	7.875	6.250
7"	8.500	6.500
	8.625	6.750
	8.875	7.000
8"	9.250	7.250
	10.125	8.000
	10.375	8.250
	10.750	8.500

Size	A	B
10"	12.500	10.000
	12.875	10.250
	13.250	10.000
12"	15.000	12.000
	15.325	12.250
14"	17.500	14.000
16"	20.000	16.000
16.25"	20.375	16.250
16.50"	20.375	16.500
18"	22.500	18.000
20"	25.000	20.000
22"	27.500	22.000
23.50"	30.500	23.500
24"	30.000	24.000
26"	39.000	26.000
30"	45.000	30.000
32"	48.000	32.000
34"	51.000	34.000
36"	54.000	36.000
40"	60.000	40.000
42"	63.000	42.000
48"	72.000	48.000
56"	76.500	56.000
60"	90.000	60.000

MDPB & MDPB DD

2-60" (51-1524mm)

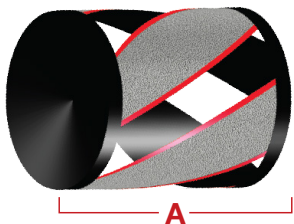
The Apache MDPB (medium density plastic brush) and MDPB DD (medium density plastic brush, double dish) are lightweight open cell foam pigs designed for cleaning and drying pipelines. The Double Dish is ideal for bi-directional operations and evacuation of liquids. MDPB foam pigs are one of the most cost effective, durable designs of pipeline cleaners in the market today. Most commonly used in internally coated or lined pipelines.



MDPB
 Medium Density
 Plastic Brush



MDPB DD
 Medium Density
 Plastic Brush
 Double Dish



B "A" represents sealing surface. This dimension is the same for both styles.

Features & Benefits:

- Cleaning.
- Dewatering.
- Works in all piping systems.

Options Available:

- Handling rope.
- Trans-Cavity.
- Custom sizes available.
- Also available in light density (yellow) and hard density (blue).

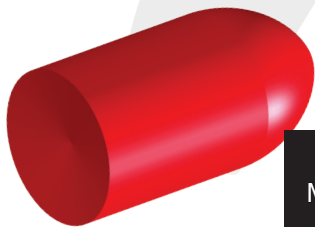
Size	A	B
2"	2.500	2.000
	2.875	2.250
	3.250	2.500
	3.500	2.750
3"	3.750	3.000
	4.125	3.250
	4.500	3.500
4"	4.750	3.750
	5.000	4.000
	5.375	4.250
	5.625	4.500
5"	6.000	4.750
	6.375	5.000
	6.625	5.250
	7.000	5.500
6"	7.375	5.750
	7.625	6.000
	7.875	6.250
7"	8.500	6.500
	8.625	6.750
	8.875	7.000
	9.250	7.250
8"	10.125	8.000
	10.375	8.250
	10.750	8.500

Size	A	B
10"	12.500	10.000
	12.875	10.250
	13.250	10.000
12"	15.000	12.000
	15.325	12.250
	15.750	12.500
14"	17.500	14.000
16"	20.000	16.000
16.25"	20.375	16.250
16.50"	20.375	16.500
18"	22.500	18.000
20"	25.000	20.000
22"	27.500	22.000
23.50"	30.500	23.500
24"	30.000	24.000
26"	39.000	26.000
30"	45.000	30.000
32"	48.000	32.000
34"	51.000	34.000
36"	54.000	36.000
40"	60.000	40.000
42"	63.000	42.000
48"	72.000	48.000
56"	76.500	56.000
60"	90.000	60.000

MDFC & MDFC DD

2-60" (51-1524mm)

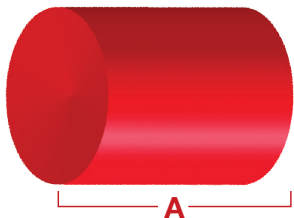
The Apache MDFC (medium density full coat) and MDFC DD (medium density full coat, double dish) are lightweight open cell foam pigs designed for cleaning and drying pipelines. The Double Dish is ideal for bi-directional operations and evacuation of liquids. The medium density helps both styles navigate restrictions. MDFC Foam pigs are one of the most cost effective, durable designs of pipeline cleaners in the market today.



MDFC
Medium Density
Full Coat



MDFC DD
Medium Density
Full Coat
Double Dish



B "A" represents sealing surface. This dimension is the same for both styles.

Features & Benefits:

- Cleaning.
- Dewatering.
- Works in all piping systems.

Options Available:

- Handling rope.
- Trans-Cavity.
- Custom sizes available.
- Also available in light density (yellow) and hard density (blue).

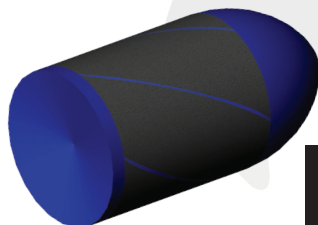
Size	A	B
2"	2.500	2.000
	2.875	2.250
	3.250	2.500
	3.500	2.750
3"	3.750	3.000
	4.125	3.250
	4.500	3.500
4"	4.750	3.750
	5.000	4.000
	5.375	4.250
	5.625	4.500
5"	6.000	4.750
	6.375	5.000
	6.625	5.250
	7.000	5.500
6"	7.375	5.750
	7.625	6.000
	7.875	6.250
	8.500	6.500
7"	8.625	6.750
	8.875	7.000
	9.250	7.250
8"	10.125	8.000
	10.375	8.250
	10.750	8.500

Size	A	B
10"	12.500	10.000
	12.875	10.250
	13.250	10.000
12"	15.000	12.000
	15.325	12.250
14"	15.750	12.500
	17.500	14.000
16"	20.000	16.000
16.25"	20.375	16.250
16.50"	20.375	16.500
18"	22.500	18.000
20"	25.000	20.000
22"	27.500	22.000
23.50"	30.500	23.500
24"	30.000	24.000
26"	39.000	26.000
30"	45.000	30.000
32"	48.000	32.000
34"	51.000	34.000
36"	54.000	36.000
40"	60.000	40.000
42"	63.000	42.000
48"	72.000	48.000
56"	76.500	56.000
60"	90.000	60.000

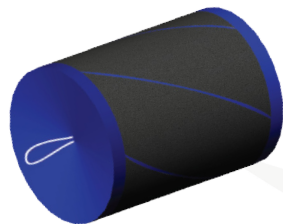
Porcupine

2-60" (51-1524mm)

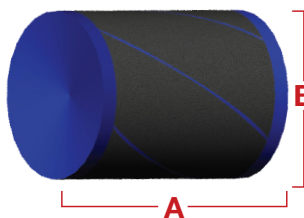
The Apache Porcupine pigs are heavy density foam pigs designed for scraping pipelines. The Double Dish is ideal for bi-directional operations. Porcupine foam pigs are one of the most cost effective, durable designs of pipeline cleaners in the market today.



PORCUPINE



**PORCUPINE
Double Dish**



"A" represents sealing surface. This dimension is the same for both styles.

Size	A	B
2"	2.500	2.000
	2.875	2.250
	3.250	2.500
	3.500	2.750
3"	3.750	3.000
	4.125	3.250
	4.500	3.500
4"	4.750	3.750
	5.000	4.000
	5.375	4.250
	5.625	4.500
5"	6.000	4.750
	6.375	5.000
	6.625	5.250
	7.000	5.500
6"	7.375	5.750
	7.625	6.000
	7.875	6.250
7"	8.500	6.500
	8.625	6.750
	8.875	7.000
8"	9.250	7.250
	10.125	8.000
10"	10.375	8.250
	10.750	8.500
	12.500	10.000
12"	12.875	10.250
	13.250	10.000
14"	15.000	12.000
	15.325	12.250
16"	15.750	12.500
	17.500	14.000
16.25"	20.000	16.000
	20.375	16.250
16.50"	20.375	16.500
	22.500	18.000
18"	25.000	20.000
	27.500	22.000
20"	23.500	23.500
	24.000	24.000
22"	24.000	24.000
	26.000	26.000
23.50"	26.000	26.000
	27.500	27.500
24"	29.000	29.000
	30.000	30.000
26"	30.000	30.000
	32.000	32.000
30"	34.000	34.000
	36.000	36.000
32"	40.000	40.000
	42.000	42.000
34"	42.000	42.000
	44.000	44.000
36"	48.000	48.000
	50.000	50.000
40"	54.000	54.000
	56.000	56.000
42"	56.000	56.000
	58.000	58.000
48"	60.000	60.000
	62.000	62.000
56"	66.000	66.000
	68.000	68.000
60"	72.000	72.000
	74.000	74.000

Features & Benefits:

- Cleaning.
- Excellent for gas pipelines.
- Works in all piping systems.

Options Available:

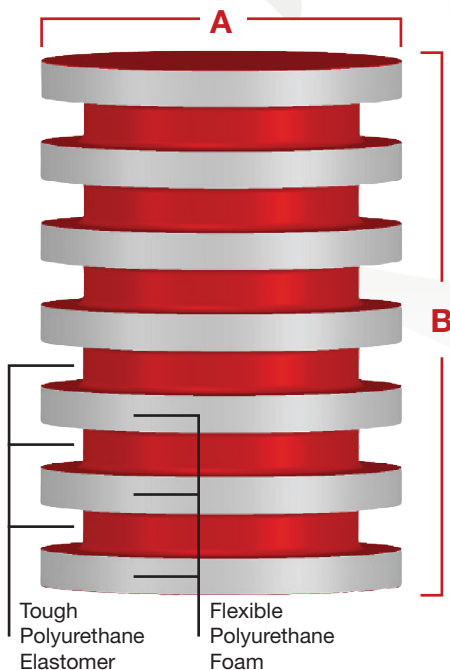
- Handling rope.
- Trans-Cavity.
- Custom sizes available.
- Also available in light density (yellow) and hard density (blue).

ProVex FD™ Pig

2-42" (51-1067mm)

Versatile. Effective. Field-proven. To remove liquids from a pipeline, Apache offers the multi-faceted ProVex FD™ pig. Known throughout the pipeline industry as the ultimate pigging solution for achieving a liquid-free line, the durable ProVex FD™ is a particularly versatile bi-directional pig.

Not only does it remove liquids in natural gas lines, the ProVex FD™ successfully reduces wax build-up in crude oil pipelines, dewateres lines following hydrostatic testing, and executes nitrogen purging. In fact, it's one of the most multi-purpose pigs on the market today.



Size	A	B	Part #
2"	2.30"	3.38"	85-8002-00
3"*	3.00"	4.86"	85-8103-00
	3.40"	4.86"	85-8003-00
4"*	4.00"	6.63"	85-8104-00
	4.50"	6.63"	85-8004-00
6"	6.50"	9.50"	85-8006-00
8"	8.50"	11.25"	85-8008-00
10"	10.50"	14.50"	85-8010-00
12"	12.50"	17.76"	85-8012-00

Size	A	B	Part #
14"	14.00"	22.38"	85-8014-00
16"	16.00"	24.00"	85-8016-00
18"	18.00"	18.25"	85-8018-00
20"	20.00"	31.00"	85-8020-00
24"	24.00"	35.50"	85-8024-00
30"	30.00"	41.25"	85-8030-00
34"	34.00"	51.31"	85-8034-00
36"	36.00"	51.31"	85-8036-00
42"	42.00"	63.25"	85-8042-00

*3" and 4" sizes are for low flow applications or non metallic pipelines.

With its single piece construction, the ProVex FD™ pig easily negotiates 1.5D bends, allowing it to move reliably through piping systems.

Features & Benefits:

- Made from tough, flexible foam, the ProVex FD™ uses an engineered series of molded channels that provide multiple wiping discs. Each channel is coated with durable Apache Reliathane polyurethane elastomer to form a cutting edge on each disc, facilitating longer runs.
- It is bi-directional, so that it can run in either direction.

Options Available:

- Polypropylene handling rope for one or both ends of the pig for easy handling.
- Transmitter housing to accommodate electronic tracking equipment.
- Also available in light density (yellow) and hard density (blue).

Foam Spheres

Apache foam balls are fabricated from the highest quality open cell polyurethane foam. The flexible nature of these pigs allows for the negotiation of both short radius bends and unexpected reductions in pipe bore. Solid urethane spheres are available in a variety of different durometers.

FOAM PIG BALLS AND URETHANE SPHERES ARE THE MOST COST EFFECTIVE AND VERSATILE PIPELINE CLEANERS ON THE MARKET TODAY.

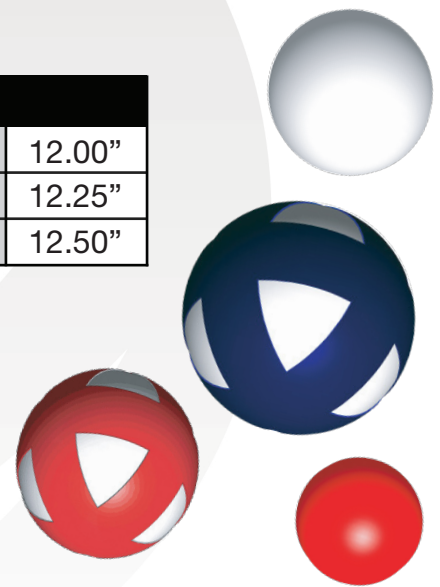
Sizes Available:							
1.00"	2.00"	3.00"	4.00"	6.00"	8.00"	10.00"	12.00"
	2.25"	3.25"	4.25"	6.25"	8.25"	10.25"	12.25"
	2.50"	3.50"	4.50"	6.50"	8.50"	10.50"	12.50"

Options Available:

- Bare Foam:
8-10lb/ft³ (128-160 kg/m³).
5-7 lb/ft³ (80-112 kg/m³).
1-2 lb/ft³ (16-32 kg/m³).
- Criss Cross Foam Balls.
- Wire Brush Foam Balls.
- Full Coat Foam Balls.
- Silicone Carbide.

Features & Benefits:

- Bi-directional.
- Short radius bends for drying.
- Light wiping and scraping.



Clean Out Balls

Applications:

- Lay flat water lines.
- Irrigation lines.
- Concrete truck lines.
- Manure lines.



Size	Part #
2.30"	02-SPNG-0230
3.50"	02-SPNG-0350
4.50"	02-SPNG-0450
6.30"	02-SPNG-0630
7.87"	02-SPNG-0787
8.66"	02-SPNG-0866
10.24"	02-SPNG-1024
11.00"	02-SPNG-1100
12.30"	02-SPNG-1230
14.00"	02-SPNG-1400