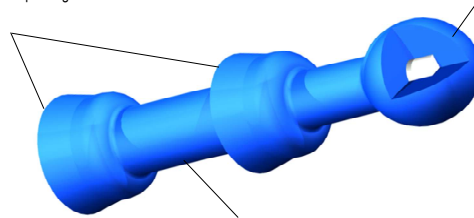


Two dynamically acting seal lips for **medium** - product separation and passing of exits

Elastic ball head (optional with encapsulated magnet) for passing bends, valves and arrival in the receiving station



The waist of the lip pig enables the passing of 90° standard bends (R = 1.5 x D)

1) Definition

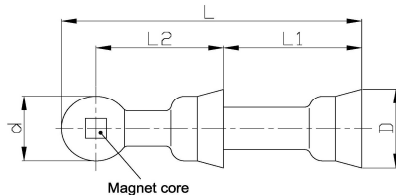
DMV lip pig:

Dynamically sealing 2-lip pig with encapsulated magnet for detection and monitoring by PLC.

2) Technical data

Nominal sizes:

- Inch 1.5" - 4" / DIN DN40 - DN100




SIZE inch (mm)	Type	suitable for ID	Ø d	Ø D	L	L1	L2
1.50 (38.1)	38-40DMV	1.38-1.57 (35-40)	1.34 (34)	1.69 (43)	6.46 (164)	2.91 (74)	2.87 (73)
2.00 (50.8)	50-51DMV	1.85-2.20 (47-56)	1.81 (46)	2.20 (56)	7.87 (200)	3.62 (92)	3.35 (85)
2.50 (63.5)	63-65DMV	2.32-2.76 (59-70)	2.28 (58)	2.83 (72)	10.39 (264)	5.12 (130)	4.13 (105)
3.00 (76.2)	76DMV	2.83-3.11 (72-79)	2.74 (69.5)	3.15 (80)	11.34 (288)	5.04 (128)	4.92 (125)
4.00 (101.6)	100-102DMV	3.78-4.17 (96-106)	3.74 (95)	4.21 (107)	14.76 (375)	6.38 (162)	6.52 (165.5)

Materials:

- Elastomer: Silicone (MVQ),
- Hardness: 60 ±5 Shore A
- Magnet core: Neodymium Iron Boron with Teflon encapsulation

Temperature:

- Range of temperature:  -13°F (-25°C) up to +302°F (+150°C)
Higher temperature will lead to reduced magnet power (up to complete loss)

Pig speed:

- In the range of:
1.0ft/s up to 5.0ft/s (0.3m/s up to 1.5m/s)
Slower speed will increase the cleaning result

Pushing pressure DMV lip pig:

- Depending on product (e.g. viscosity, anti-friction properties) and length of the pipe work:
min. 14.5 psi - max. 145 psi (min. 1 bar - max. 10 bar)

Approvals:

- FDA CFR21 § 177.2600
- 3A according 101-00 as a part of a complete LIAG® pigging system

3) Safety Guidelines

General safety guideline:

- DMV pigs should only be used in pigging systems, which are suitable for this type of pig and which are designed by LIAG®. The supplier will not assume any kind of function warranty or product liability and no responsibility for any kind of damage to persons or property due to improper use.



Designated use:

- Suited for aeriform and liquid pressure media.
- The DMV 2-lip pig should not remain permanently in critical products not / limited compatible with the silicon material (e.g. products containing animal grease, solvents, etc.). This products could have a negative influence for example on the shore grade of the pigs.
The DMV 2-lip pig should be cleaned after use neither manually or remaining in cleaned condition in the dedicated LIAG® cleaning station.
- Exaggerated pig speed will lead into release and damage of the magnet core and pig, particularly in bends, filling- and receiving stations.
The supplier will not assume any kind of function warranty or product liability and no responsibility for any kind of damage to persons or property due to improper use.



Required standards for the piping:

- 90° standard bends (R = 1.5 x D) can be passed without difficulties.
- Pipeline and welding seams must be smooth, without sharp-edged waists (orbital welding recommended) to avoid damage of the silicone pig.



Cleaning:

- DMV 2-lip pig can be cleaned with all detergents compatible with silicone or manually or in an automated CIP process.



It's not recommended to use the DMV 2-lip pig with dry, powdery products.