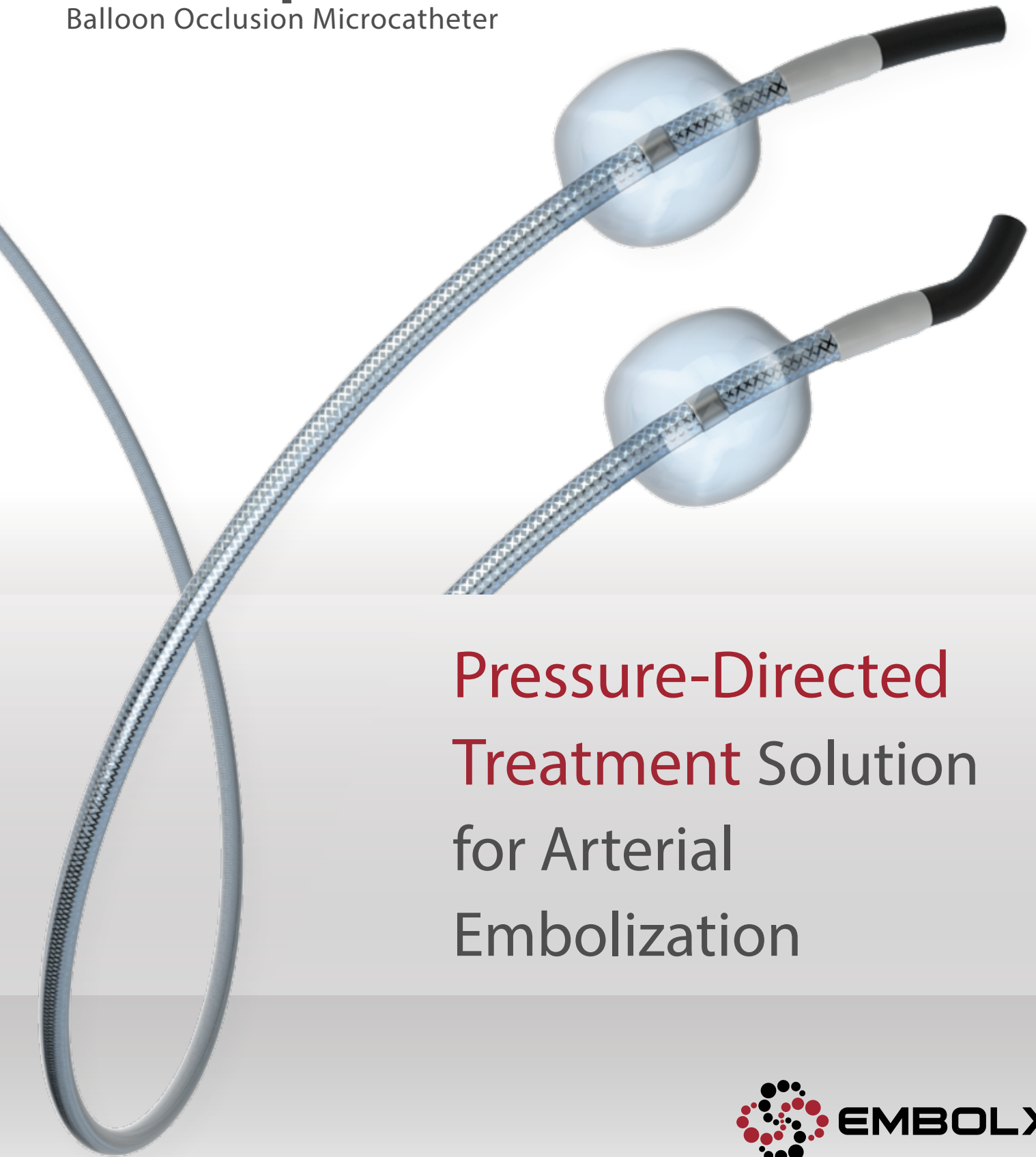


Sniper[®]

Balloon Occlusion Microcatheter

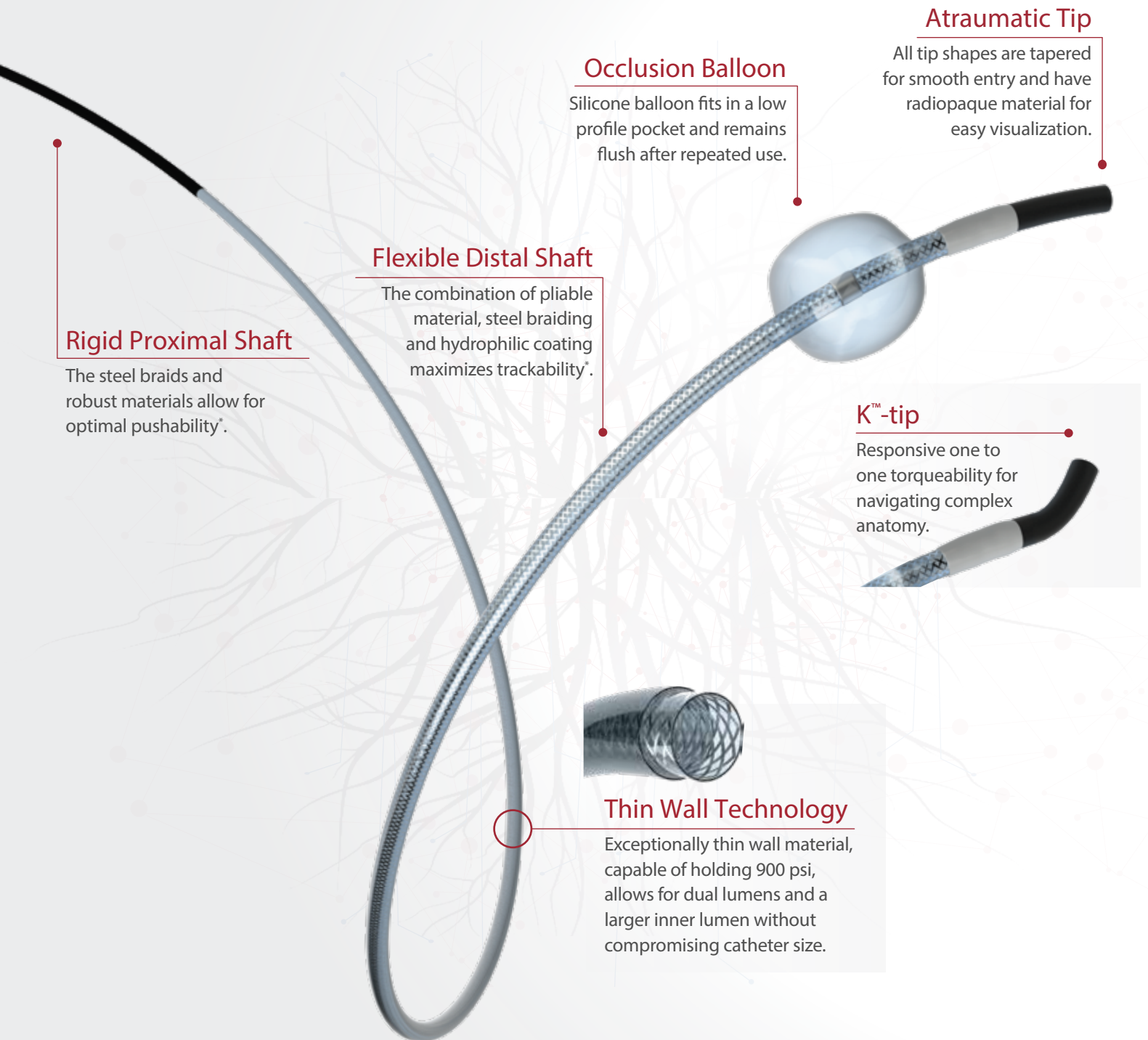


Pressure-Directed
Treatment Solution
for Arterial
Embolization



Designing Performance.

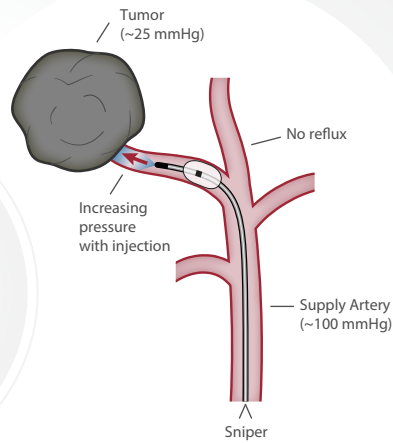
Intricate technical design of the **Sniper® Balloon Occlusion Microcatheter** allows for easy navigation through small complex vascular structures providing enhanced reach to distal target sites.



Sniper®
Balloon Occlusion Microcatheter

Delivering Precision.

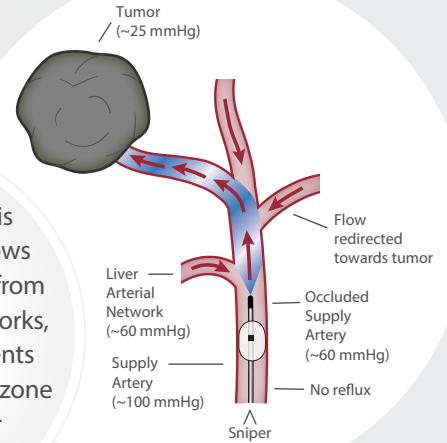
An isolated target zone is created. As embolization progresses, increasing pressure enables embolic agents to penetrate into the tumor allowing for complete tumor fill.



Selective Delivery

These examples are based on liver tumors, but this therapy may be applied to other organs and tumor locations.

A low pressure zone is created. Blood flow slows and redistributes away from non-target arterial networks, delivering embolic agents into the lowest pressure zone (tumor) allowing for improved tumor fill.



Nonselective Delivery

The Sniper's balloon occludes the vessel to alter blood flow-dynamics using **pressure-directed embolization**. This increases therapeutic agent delivery into target areas while protecting surrounding healthy tissue.^{1,2}

Clinical Summary

Conventional vs. Balloon Occluded Transcatheter Arterial Chemoembolization (TACE)*.

Lipiodol® Filling

Increases
Lipiodol
filling

2-6X

(Two studies totaling 142 patients)^{3,4}

Complete Tumor Response

Increases
complete tumor
response by

41%

(Meta-analysis of three studies totaling 221 patients)^{5,6,7,8}

Survival

Increases
5-year
survival by

53%

(One study with 62 patients)⁷

*Data is based on literature search of known balloon occlusion microcatheters to date.

Sniper Product Family

The Sniper is compatible with conventional diagnostic catheters, guidewires, and embolic agents allowing physicians to experience the Sniper's high performance with **no additional accessories**.

Designed for arterial embolization procedures such as:

- ✓ Transarterial Embolization (TAE)
- ✓ Transarterial Chemoembolization (TACE)
- ✓ Radioembolization (Y-90)
- ✓ Arteriovenous Malformation (AVM)
- ✓ Prostate Artery Embolization (PAE)
- ✓ Gastrointestinal Bleeds
- ✓ Renal Angiomyolipoma (AML)
- ✓ Uterine Fibroid Embolization (UFE)

Compatible with the delivery of*:

- ✓ Lipiodol®
- ✓ Glue (n-bCA)
- ✓ Coils up to 0.018"
- ✓ Gelfoam
- ✓ Spherical particles up to 900 µm
- ✓ Dimethyl Sulfoxide (DMSO)
- ✓ Ethanol (EtOH)

Specifications

Product Number	Working Length	Dead Space Volume	Tip	Outer Diameter	Inner Diameter	Balloon Diameter	Guidewire	Injection Pressure
SBC0629-STR-110	110 cm	0.32 ml	Straight tip	Proximal 2.9F/0.038"	0.020"/0.5 mm	Up to 6 mm	0.014" or 0.016"	Up to 900 psi
SBC0629-STR-130	130 cm	0.36 ml						
SBC0629-STR-150	150 cm	0.41 ml						
SBC0629-KTP-110	110 cm	0.32 ml	K™-tip	Distal 2.2F/0.029"	0.020"/0.5 mm	Up to 6 mm	0.014" or 0.016"	Up to 900 psi
SBC0629-KTP-130	130 cm	0.36 ml						
SBC0629-KTP-150	150 cm	0.41 ml						

INDICATIONS FOR USE

Sniper balloon occlusion microcatheter is intended for use in the blood vessels of the peripheral vasculature where temporary occlusion is desired and offers a vessel selective technique of temporary vascular occlusion for selectively stopping or controlling blood flow. The Sniper balloon occlusion microcatheter is also intended to assist in the delivery of diagnostic agents such as contrast media and therapeutic agents into the peripheral vasculature.

CONTRAINDICATIONS

Not intended for use in embolectomy or angioplasty procedures. Not intended for use in coronary vessels. Not intended for use in neurovasculature.

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*See Sniper Chemical Compatibility Statement Letter MK-0351 at <http://embolx.com/products/>. Embolx does not make any claims; for information purposes only.



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