



# RED<sup>TM</sup> 72

WITHOUT COMPROMISE

Catalog Number	Description	Proximal OD (F) (in.) (mm)	Distal OD (mm)	Proximal ID (in.) (mm)	Distal ID (in.) (mm)	Working Length (cm)
Penumbra System						
ASPIRATION KITS						
RED72KIT	RED 72 Reperfusion Catheter + Penumbra Aspiration Tubing	6 (.085) (2.16)	2.16	.072 (1.83)	.072 (1.83)	132
RED68KIT	RED 68 Reperfusion Catheter + Penumbra Aspiration Tubing	6 (.084) (2.13)	2.13	.068 (1.73)	.068 (1.73)	132
RED62SKIT	RED 62 Reperfusion Catheter + Penumbra Aspiration Tubing	6 (.076) (1.93)	1.93	.062 (1.57)	.062 (1.57)	138
REPERFUSION CATHETERS						
RED72	RED 72 Reperfusion Catheter	6 (.085) (2.16)	2.16	.072 (1.83)	.072 (1.83)	132
RED68	RED 68 Reperfusion Catheter	6 (.084) (2.13)	2.13	.068 (1.73)	.068 (1.73)	132
RED62S	RED 62 Reperfusion Catheter	6 (.076) (1.93)	1.93	.062 (1.57)	.062 (1.57)	138
3MAXC	3MAX™ Reperfusion Catheter	4.7 (.062) (1.57)	1.27	.043 (1.09)	.035 (.89)	160
REVASCULARISATION DEVICE		Diameter	Device Length	Working Length		
PSR3D	3D Revascularization Device™	4.5 mm	26 mm	20 mm		
DELIVERY MICROCATETER						
VEL160STR	Velocity™ Microcatheter	2.95 (.0387) (.983)	.867	.025 (.635)	.025 (.635)	160
ASPIRATION ACCESSORIES						
PMXENG	Penumbra ENGINE™					
PAPS3	Penumbra ENGINE Canister					

Prior to use, please refer to the Instructions for Use for complete product indications, contraindications, warnings, precautions, potential adverse events, and detailed instructions for use.

#### **PENUMBRA SYSTEM – Intended Use**

The PENUMBRA SYSTEM is intended to remove thrombus and restore blood flow in the neurovasculature using aspiration.

#### **Potential Adverse Events**

Possible complications include, but are not limited to, the following: allergic reaction and anaphylaxis from contrast media or device material; acute vessel occlusion; air embolism; arteriovenous fistula; death; foreign body embolization; emboli; pseudoaneurysm; hematoma or hemorrhage at access site; residual thrombus due to inability to completely remove thrombus; infection; inflammation; intracranial hemorrhage; ischemia; renal impairment or acute renal failure from contrast media; neurological deficits including stroke; vessel spasm, thrombosis, dissection, or perforation; radiation exposure that may lead to cataracts, skin reddening, burns, alopecia, or neoplasia from x-ray exposure.

#### **PENUMBRA SYSTEM – Intended Use**

The PENUMBRA SYSTEM is intended for use in the revascularization of patients with acute ischemic stroke secondary to intracranial large vessel occlusive disease using continuous aspiration.

#### **Potential Adverse Events**

Possible complications include, but are not limited to, the following: allergic reaction and anaphylaxis from contrast media; acute occlusion; air embolism; arteriovenous fistula; death; device malfunction; distal embolization; emboli; false aneurysm formation; hematoma or hemorrhage at access site; inability to completely remove thrombus; infection; intracranial hemorrhage; ischemia; kidney damage from contrast media; neurological deficits including stroke; vessel spasm, thrombosis, dissection, or perforation; radiation exposure that may lead to cataracts, skin reddening or burns from x-ray exposure.

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#### **PENUMBRA SYSTEM – Intended Use**

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#### **PENUMBRA ENGINE – Intended Use**

The PENUMBRA ENGINE is intended as a vacuum source for Penumbra Aspiration Systems.

#### **Penumbra Delivery Microcatheters – Intended Use**

The Penumbra Delivery Microcatheters are intended to assist in the delivery of diagnostic agents, such as contrast media, and therapeutic agents, such as occlusion coils to the peripheral and neuro vasculature.

#### **Potential Adverse Events**

Possible complications include, but are not limited to, the following: acute occlusion; hematoma or hemorrhage at access site; death; intracranial hemorrhage; hemorrhage; infection (at access site); distal embolization; ischemia (cardiac and/or cerebral); embolus (air, foreign body, thrombus, plaque); aneurysm perforation; false aneurysm formation; neurological deficits including stroke; vessel spasm, thrombosis, dissection, perforation or rupture; air embolism; emboli.

#### **Penumbra Europe GmbH**

Am Borsigturm 44  
13507 Berlin  
Germany  
T +49 30 2005 676-0  
F +49 30 2005 676-10  
de-order@penumbrainc.com  
de-info@penumbrainc.com

#### **Penumbra, Inc. USA**

One Penumbra Place  
Alameda, CA 94502  
USA  
1.888.272.4606  
T 1.510.748.3200  
F 1.510.748.3232  
order@penumbrainc.com  
info@penumbrainc.com

Photograph taken by and on file at Penumbra, Inc.

Product availability varies by country. Please contact your local Penumbra representative for more information.

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