

# FMS DUO<sup>®</sup> + FLUID MANAGEMENT SYSTEM

Concentrate on the patient, not the pump



This publication is not intended for distribution in the USA.

ORDERING INFORMATION



SHOULDER / KNEE / SMALL JOINT / HIP

# FMS DUO®+ FLUID MANAGEMENT SYSTEM

Concentrate on the patient, not the pump

## Clarity & Control:

When choosing the FMS DUO+ to maintain clarity in the operative field, the focus becomes the patient and the procedure - not operating the pump. You're in control when conditions change, allowing you to increase pressure or flow at a moment's notice – providing a clear field of vision.



- Minimizes the **surgeon's** concern of extravasation and poor visualization<sup>1-4</sup>
- Color-coded tubes offer easy set-up and minimal prep time for **operation room staff** efficiencies
- Increases the opportunity for significant cost savings to the **hospital**<sup>5</sup>

## ORDERING INFORMATION

### Pumps and Instrumentation

	CODE	DESCRIPTION
PUMP	284580	FMS DUO® + Fluid Management System
	284176	FMS DUO+ 4-way Foot Pedal
	284172	FMS DUO+ 2-way Foot Pedal
	282112	FMS Connect Interface Cable DUO® +/Solo®
<b>CODE</b>		<b>DESCRIPTION</b>
TUBING*	284504	Inflow Tubing FMS DUO/SOLO System
	284610	Outflow Tubing without One-Way Valve
	281103	Intermediary Tubing without One-Way Valve
	284649	Outflow Tubing With One-Way Valve (Reusable Setup)
	281142	Intermediary Tubing With One-Way Valve (Reusable Setup)
<b>CODE</b>		<b>DESCRIPTION</b>
SHAVER	288022	Tornado Shaver Handpiece












FMS Connect Interface Cable

\* Please note that all FMS tubes contain no more than 0.1% DEHP per total weight.

# ORDERING INFORMATION

## Sterile Single-Use Blades & Burrs

ALL BLADES & BURRS ARE 13 CM LONG AND PACKAGED 5 PER BOX

	PRODUCT	CODE	DESCRIPTION
COMBO	 ○ <b>OMNICUT RESECTION BLADE</b> A combination blade excellent for soft-tissue and bone debridement.	287432	4.2 mm (for use with Tornado Handpiece)
		287433	5.2 mm (for use with Tornado Handpiece)
BLADES	 ● <b>ULTRA-AGGRESSIVE BLADE PLUS</b> Ultra-aggressive all-purpose blade ideal for thick-tissue removal.	287449	4.0 mm Plus (for use with Tornado Handpiece)
		287529	5.0 mm Plus (for use with Tornado Handpiece)
	 ● <b>FULL-RADIUS BLADE</b> Excellent for general debridement.	287305	3.5 mm (for use with Tornado Handpiece)
		287409	4.0 mm (for use with Tornado Handpiece)
	 ● <b>FULL-RADIUS BLADE PLUS</b>	287509	5.0 mm (for use with Tornado Handpiece)
	 ● <b>MULTI BLADE PLUS</b> Great for meniscal trimming, joint debridement, and general tissue removal.	287439	4.0 mm (for use with Tornado Handpiece)
		287539	5.0 mm (for use with Tornado Handpiece)
	 ● <b>AGGRESSIVE BLADE</b> Aggressive meniscal trimming, plica, and synovia removal.	287315	3.5 mm (for use with Tornado Handpiece)
	287419	4.0 mm (for use with Tornado Handpiece)	
	287519	5.0 mm (for use with Tornado Handpiece)	
BURRS	 ● <b>BARREL TORNADO BURR PLUS</b> Ultra-aggressive burr for bone resection during acromioplasty and notchplasty.	287789	4.0 mm (for use with Tornado Handpiece)
		287889	5.0 mm (for use with Tornado Handpiece)
	 ● <b>BARREL BURR PLUS</b> Ideal for resecting bone and cartilage during acromioplasty and notchplasty.	287769	4.0 mm (for use with Tornado Handpiece)
		287869	5.0 mm (for use with Tornado Handpiece)
	 ● <b>ROUND TORNADO BURR PLUS</b> Ultra-aggressive bone, cartilage, osteochondral debridement, and osteophyte resection.	287779	4.0 mm (for use with Tornado Handpiece)
	287879	5.0 mm (for use with Tornado Handpiece)	
	287759	4.0 mm (for use with Tornado Handpiece)	
	287859	5.0 mm (for use with Tornado Handpiece)	

## Sterile Single-Use Mini Blades & Mini Burrs

ALL MINI BLADES & MINI BURRS ARE 8 CM LONG PACKAGED 5 PER BOX

	PRODUCT	CODE	DESCRIPTION
BLADES	 ● <b>ULTRA-AGGRESSIVE BLADE</b> Ultra-aggressive all-purpose blade ideal for thick-tissue removal.	287375	3.5 mm Mini (for use with Tornado Handpiece)
	 ● <b>FULL-RADIUS BLADE</b> Excellent for general debridement.	287345	3.5mm Mini (for use with Tornado Handpiece)
BURRS	 ● <b>ROUND BURR</b> Bone cartilage, osteochondral debridement, and osteophyte resection.	287735	2.0 mm Mini (for use with Tornado Handpiece)

## References

1. Venkat G, Moon YL, Na WC, So KY. Upper airway compromise by extravasated fluid: a rare complication after arthroscopic repair of atrophic cuff tear. *Orthopedics*. 2009;32(10).
2. Rodosky MW. Fluid management systems for arthroscopy: a clinical perspective. *Business Briefing: Global Surgery 2004*. 2004;1-3. [http://www.touchbriefings.com/pdf/952/Rodosky\\_edit%5B1%5D.pdf](http://www.touchbriefings.com/pdf/952/Rodosky_edit%5B1%5D.pdf) Accessed April 10, 2013.
3. Ogilvie-Harris DJ, Weisleder L. Fluid pump systems for arthroscopy: a comparison of pressure control versus pressure and flow control. *Arthroscopy*. 1995;11(5):591-595.
4. Sieg R, Bear R, Machen MS, Owens BD. Comparison of operative times between pressure and flow-control pump versus pressure control pump for ACL reconstruction. *Orthopedics*. 2009 Oct;32(10).
5. Conner DM, Pachelli A, Bansal M. Cost analysis of switching from an in-flow only irrigation pump to an in-flow/out-flow fluid management system (FMS Duo). Presented at: 2012 Arthroscopy Association of North America (AANA) Annual Meeting; May 17-19; Orlando, FL. Abstract e260. <http://aana.omnibooksonline.com/2012annual/data/papers/handouts/e260.pdf> Accessed April 10, 2013.

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