

Zimmer Biomet Dual Flow Pump System

Data Sheet



Introduction

The Zimmer Biomet Dual Flow Pump System is an integrated inflow and outflow fluid management system. Its system manages irrigation automatically as a function of suction, thereby providing a flow rate and a precisely controlled pressure. Its user-friendly and easy to use Human/Machine Interface (HMI) allows optimum control of the device for the user. The Zimmer Biomet Dual Flow Pump System is intended for use during arthroscopy operations by orthopaedic surgeons and operating theatre nurses.

The main characteristics of the pump:

- Automatic management of inflow and outflow: control of flow and pressure
- Integrated shaver interface for most of the shaver brands
- Increase reactivity for an optimum comfort during use
- Pressure measure readings in mmHg or LH₂O
- Familiar user interface

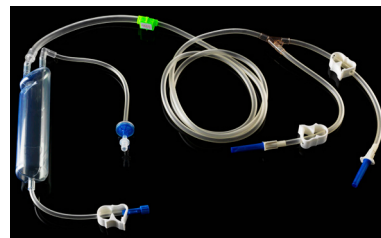


The main characteristics of the tubings:

The arthroscopy tubing sets are designed for irrigation of joint cavities with saline, and aspiration to remove debris during surgical procedures.

Day Set Tubing (REF 11010076) is an irrigation tube that delivers a saline solution (from a bag) to the intermediary tube. The Day Set tubing can be re-used thanks to a one-way valve on the Patient Set Tubing (REF 11010077), or with the intermediary tubing (REF 11010078) enabling the customer to reduce costs:

- With a single irrigation tube for the entire operating day
- By reducing your consumption of fluid bags
- By saving time taken fitting tubes for the second procedure

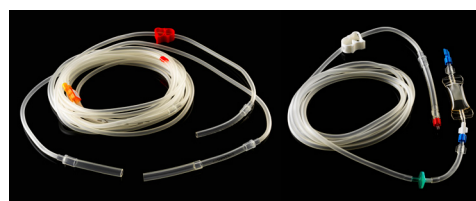


Intermediary Tubing with Check Valve (REF 11010078) is an irrigation tube that attaches to the Day Set Tubing (REF 11010076) that connects to the arthroscopy sheath. The Intermediary Tubing is used in combination with the Day Set Tubing (REF 11010076) when only inflow irrigation is needed.



Patient Set Tubing with Check Valve (REF 11010077) is used in combination with the Day Set Tubing (REF 11010076) when only inflow irrigation and outflow management is needed. The Patient Set Tubing includes:

- Intermediary Tubing with Check Valve (REF 11010078)
- Outflow tubing that connects to the aspiration cannula or shaver to remove blood and debris to a waste collector.



Ordering Information

Dual flow pump

Item Code	11010072
Size and Weight	Width: 434 mm Height: 202 mm Depth: 377 mm Weight: 11 kg
Pressure Range	20 – 280 mmHg (10 – 120 LH ₂ O)
Cannula Flow Rate	Resting: 100 ml/min ± 50 ml/min Min: 200 ml/min ± 50 ml/min Low: 300 ml/min ± 75 ml/min Med: 500 ml/min ± 75 ml/min High: 600 ml/min ± 75 ml/min
Shaver Flow Rate	Min: 200 ml/min ± 50 ml/min Low: 400 ml/min ± 75 ml/min Med: 600 ml/min ± 75 ml/min High: 800 ml/min ± 100 ml/min
Electrical and Operating Requirements	Line Voltage: 100 – 240 VAC Frequency: 50-60 Hz Max. Power Consumption: 500 VA Operating temperature: 10°C to 35°C Storage temperature: -10°C to +50°C Relative operating humidity: 30% to 75% Relative storage humidity: 30% to 90%.



Foot pedals

Description	Foot Pedal 4-Way
Item Code	11010074
	Intended to be used in combination with Foot Control Interface (REF 11010079)
Description	Foot Pedal 2-Way
Item Code	11010073
	Intended to be used in combination with Shaver Interface Clip (Ref 11010075) or Integrated Shaver Interface



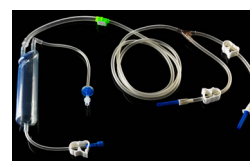
Ordering Information

Interfaces clip and Interface cables

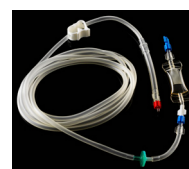
Item Code	Description
11010075	Interface Clip
11010079	Foot Control Interface for Zimmer Biomet Shaver Console

Tubings

Description	Day Set Tubing for Dual Flow Pump
Item Code	11010076
Packaging Size	Box of 30, sterile



Description	Intermediary Inflow Tubing with Check Valve for Dual Flow Pump
Item Code	11010078
Packaging Size	Box of 50, sterile



Description	Patient Set Tubing with Check Valve for Dual Flow Pump
Item Code	11010077
Packaging Size	Box of 30, sterile



* All tubes are Latex and DEHP free

Device Classification:

Class 2a: Dual Flow Pump, Day Set Tubing, Intermediary Tubing, Patient Set Tubing

Class 1: Foot Pedal 4-Way, Foot Pedal 2-Way, Interface Clip, Foot Control Interface

For more information please contact your Zimmer Biomet representative.

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1551.1-EMEA-en-REV1017

Distributed by
Zimmer GmbH
Sulzerallee 8
8404 Winterthur
Switzerland

www.zimmerbiomet.com



Legal Manufacturer
Hemodia SAS
85 rue du chêne vert
31670 Labège
France

www.hemodia.com

CE 0459