

2 Specifications

2.1 Introduction

This Chapter contains the technical specifications of the Headbox.

All maximum values stated in these instructions are limiting values. These values are the basis for the design layout and strength calculation of the components, but not assured properties in the legal sense.

Non-observance of the stated limiting values during operation of the machine is liable to endanger personnel and components and excludes liability on the part of Voith Sulzer for any damage resulting from this.

2.1.1 Order data

Table 2 – 1

Codeword	Bucksport PM5
Headbox	2207
Size	SW 12500/26-MJ-VR-ZWK
Machine type	WA-Jet with ModuleJet
Pond width	7874 MM
Drawing No.	1.36-29430
WOS No.	141 033/1000 – 1761
Year of construction	1997
Number of modules	124
Type of mixing unit	630

2.1.2 Layout data

Table 2 – 2

Hydraulic layout	l/min
Total flow (through the lip)	77 756 – 101 102
Main flow (Q_H) (in the supply pipe)	69 550 – 90 420
Ancillary flow (Q_L) (in the supply pipe)	12 276 – 15 960
at operating speed	900 – 1 170 m/min

Redakteur: pld 2398 CBI
Autor: psk 3219 FFey
Übersetzer:

012299 E 001 61 P402 MO 0 en
Kennwort: Bucksport PM5 VSAW
erstellt mit Interleaf 6.1.1

Mechanical layout	
Design speed v_k	1220 m/min 4002 FPM
Products	LWC
Basis weight	29.9 – 40.4 g/m ²

Redakteur: pka 2389 CBI
Autor: psk 3219 FFey
Übersetzer:

012239 E 001 61 P402 MO 0 en
Kennwort: Bucksport PMS VSAW
erstellt mit Interleaf 6.1.1

2.2 Pulsation damper

2.2.1 Introduction

In this chapter you will find the technical data of the pulsation damper.

All maximum values stated in this manual are limiting values. These values are the basis for the design layout and strength calculation of the components, but are not assured properties in the legal sense.

Non-observance of the stated limiting values during operation of the machine puts personnel and components at risk and rules out any liability on the part of Voith Sulzer for damage occurring therefrom.

2.2.2 Order data

Table 2 – 3

Codeword	Bucksport PM5
Headbox	2207
Pulsation damper size	2000
Machine type	WA-Jet with ModuleJet
Pond width	7874 mm <i>310 inches</i>
Pulsation damper drawing no.	
WOS No.	141 033 / 1000 – 1761
Year of construction	1997
TÜV Pre-test no.	

2.2.3 Layout data

Table 2 – 4

Hydraulic layout	l/min
Total flow (through the lip)	77 756 – 101 102 <i>20,540 GPM – 26,708 GPM</i>
Main flow (Q_H) through the pulsation damper (in the supply pipe)	69 550 – 90 420 <i>18,373 GPM – 23,886 GPM</i>
Ancillary flow (Q_L) (in the supply pipe)	12 276 – 15 960 <i>3,243 GPM – 4,216 GPM</i>
at operating speed	900 – 1 170 m/min <i>2,952 FPM – 3,839 FPM</i>

Redakteur: pkd 2398 CBI
Autor: psk 3219 FFey
Übersetzer:

012299 E 001 61 P402
Kennwort: Bucksport PM5 VSAW
erstellt mit Interleaf 6.1.1

Mechanical layout	
Design speed v_k	1220 m/min 4002 FPM
Operating pressure	max. 5.3 bar 76.87 PSI 2127.5 in H ₂ O
Test pressure	6.9 bar (1.3-times the operating gauge pressure)
Operating temperature	max. 60°C
Volumes	Total: 11.0 m ³ 2905 GAL Water: 9 m ³ 2377 GAL Air: 2 m ³ 528 GAL
Air requirement	approx. 0.9 m ³ /min oil-free instrument air 31.78 CFM
Cleaning water pressure	4 bar above operating pressure
Products	LWC
Basis weight	29.9 – 40.4 g/m ²

(RAW stock) 20.2 – 27.3 LBS/3,300 ft²

2.3 Name and address of the manufacturer

Voith Sulzer Papiermaschinen GmbH
P. O. Box 1970
D-89509 Heidenheim
and:
St. Pöltener Str. 43
D-89522 Heidenheim

Telephone: 07321/37-0
Telefax: 07321/37-7000
Telex: 714 799 21 VH-D

Redakteur: pka 2398 CBr
Autor: psk 3219 FFey
Übersetzer:

012299 E 001 61 P402 MD 0 en
Kennwort: Bucksport PM5 VSAW
erstellt mit Interleaf 6.1.1