

HST-100

high speed drill system

for
*Maxillofacial
Spinal
Neuro
ENT*



cranio



straight



angle

The De Soutter HST-100 instrument is designed for delicate bone dissection. The slim perfectly balanced handpiece enables the surgeon to perform the most demanding surgical procedures with complete confidence.

HST-100 high speed tool system

The HST-100 System offers the following features

- 100,000 rpm rotational speed.
- High torque pneumatic motor for smooth and precise cutting performance.
- Super sharp, precision ground dissecting tools.
- Extensive range of cutting tools with numerous bur head configurations.
- Ultra slim handpiece weighing just 99 gms and measuring 15 mm in diameter.
- Ergonomic handpiece design for minimal surgeon fatigue.
- Simple tool-free bur loading and hose piece changing mechanisms.
- Unique Wash Assist air hose system.
- Low noise level at only 76 dB(A).
- No requirement for in line lubrication.
- Progressive action foot control for precision speed control.



HST-100 fitted with straight bur head



HST-100 fitted with craniotome

High speed drill and attachments



Type	Order code	Speed rpm	Operating pressure
HST-100	226234	100,000	7 bar

Straight and angle bur heads



See back page for cutter details.

	Type	Length	Order code
straight	HS-050	50 mm	12450
	HS-070	70 mm	12460
	HS-090	90 mm	12470
	HS-110	110 mm	12480
angle	HA-050	50 mm	12490
	HA-070	70 mm	12500
	HA-090	90 mm	12510
	HA-110	110 mm	12520

Craniotome heads



pediatric

adult

Application	Type	Order code
pediatric	HC-012	12530
adult	HC-016	12540

See back page for cutter details.

Perforator



Type	Drive	Order code	Speed rpm	Operating pressure
DPZ-121	Hudson	226254	850	7 bar

Sterilisation case



Order code: 12550

The case is purpose designed to accept :-
 HST-100 high speed drill
 DPZ-121 perforator
 Straight bur head 50, 70, 90 and 110 mm long.
 Angle bur head 50, 70, 90 and 110 mm long.
 Adult and pediatric craniotomes.
 3 metre coaxial air hose.
 See opposite page for internal box details.

Air foot control



Type FV-220
 Order code: 14900
 Hose inlet to foot control - 3 m long with MA7 probe.

Outlet hose from foot pedal to handpiece -
 3 m long Part No. 632333
 4 m long Part No. 632343
 5 m long Part No. 632353



Wash caps - prevents ingress of water during washing prior to autoclaving.



HST/DPZ air inlet
Part No. 9950

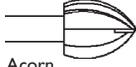
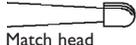


HST nose
Part No. 14830

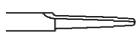
For irrigation option ask for IPV-220 Catalogue No. 178.



Standard cutters

Cutter shape	Head size mm	No. of flutes or grit	Cutter types for HS and HA bur heads			
			Short 50 mm	Medium 70 mm	Long 90 mm	Extra long 110 mm
 Carbide	1.0	6	H50-0510	H50-0710	-	-
	2.0	6	H50-0520	H50-0720	-	-
	3.0	8	H50-0530	H50-0730	H50-0930	H50-1130
	4.0	8	H50-0540	H50-0740	H50-0940	H50-1140
	5.0	8	H50-0550	H50-0750	H50-0950	H50-1150
	6.0	10	H50-0560	H50-0760	H50-0960	H50-1160
	7.0	12	H50-0570	H50-0770	-	-
 Diamond	0.6	fine	H51-0506	H51-0706	-	-
	1.0	fine	H51-0510	H51-0710	H51-0910	H51-1110
	2.0	coarse	H51-0520	H51-0720	H51-0920	H51-1120
	3.0	extra coarse	H51-0530	H51-0730	H51-0930	H51-1130
	4.0	extra coarse	H51-0540	H51-0740	-	-
	5.0	extra coarse	H51-0550	H51-0750	-	-
	6.0	extra coarse	H51-0560	H51-0760	-	-
 Acorn	5.0 x 7.0	8	H53-0550	H53-0750	-	-
	6.0 x 7.0	8	H53-0560	H53-0760	-	-
 Match head	3.0 x 6.0	2	-	H54-0730	H54-0930	H54-1130
 Pin cutter	1.0 x 8.0	2	-	H55-0710	-	-

Craniotome cutters

Cutter shape	Head size mm	No. of flutes	Cutter types for HC craniotome heads	
			Craniotome ref.	Cutter ref.
	1.8 x 12.0	2	HC-012	H57-1218
	1.8 x 16.0	2	HC-016	H57-1618

IPV-220 IRRIGATION PUMP

Automatic irrigation system for pneumatic powered instruments used in small bone surgery



IPS-220 Pump Sensor

Detects small amounts of airflow in the exhaust to start the pump. Fits simply between the air hose and air supply.



IPV-220 Irrigation Pump

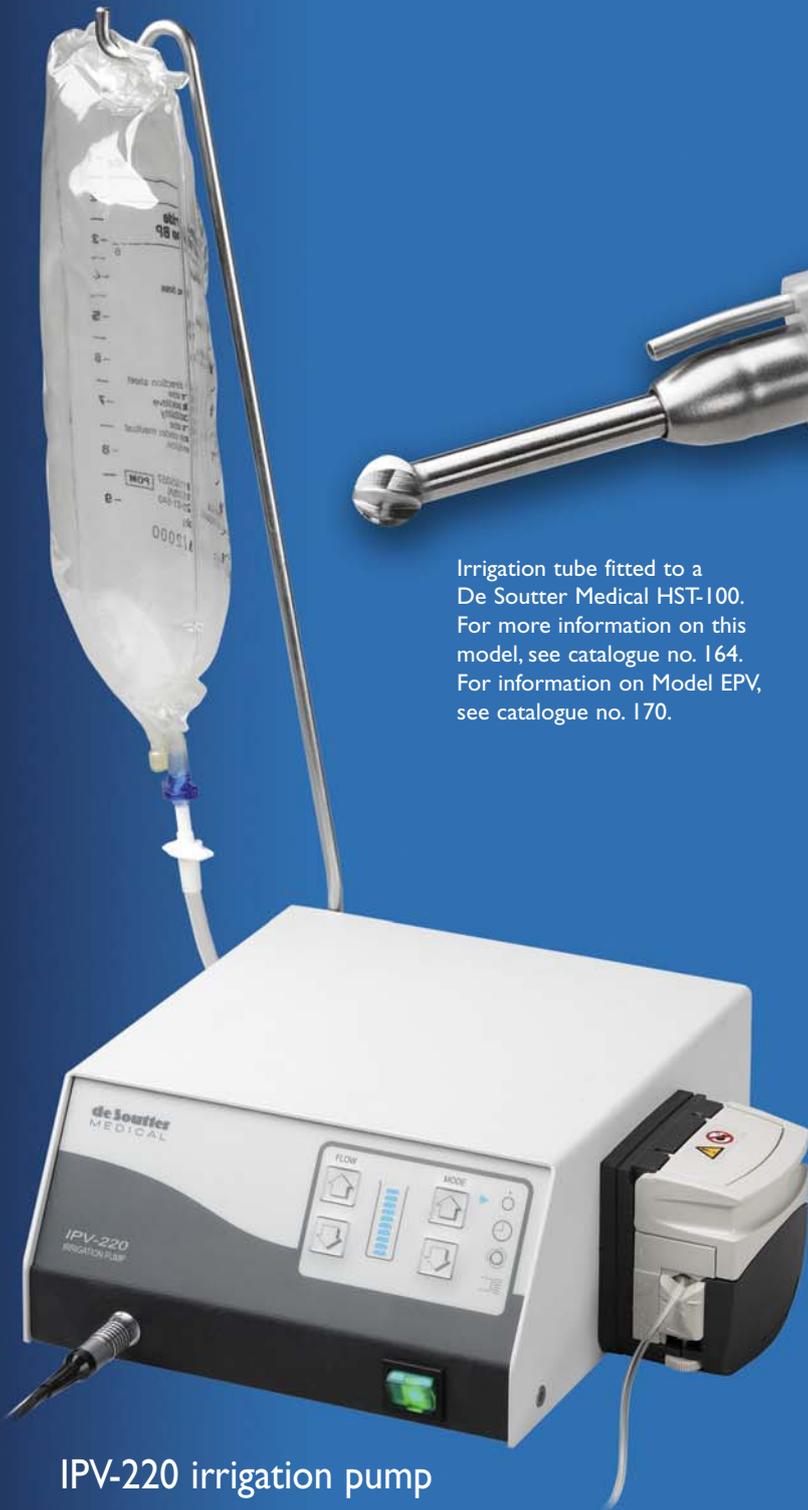
Its design allows the user to quickly and easily select between 4 function settings and adjust flow level. The irrigation tubing clips neatly along the hose to the handpiece to ensure it is kept out of the way.

- Compatible with HST-100 and EPV-220 instruments.
- Fully disposable irrigation kits.
- Simple 'clip-on' set-up.
- 4 function settings.
- Variable flow rate.
- Removeable pump head for cleaning.
- Works with foot or lever control.

IPS-220 pump sensor. Connects to foot pump or air supply via the MA7 probe.

Irrigation tube connected to a De Soutter Medical HST-100 high speed drill.

SPECIFICATION AND PART NUMBERS



Irrigation tube fitted to a De Soutter Medical HST-100. For more information on this model, see catalogue no. 164. For information on Model EPV, see catalogue no. 170.

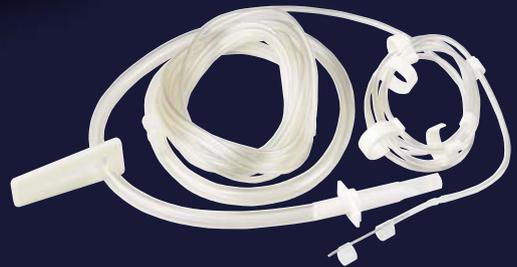
IPV-220 irrigation pump

100 - 240 V Order code: 11560
 Mains power cord sets - 3 m long
 UK Order code: 8290
 Euro Order code: 8300
 US/Canada Order code: 8310
 Australia/N Zealand Order code: 8320
 Maximum bag capacity - 1 litre. (bag not supplied)

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Irrigation pump kits



Description	Order code
Irrigation tube set - bur	T10-100
Irrigation tube set - HST-100	T10-102

Wash Assist hose assemblies



Instrument type	Hose length and order codes		
	3m	4m	5m
EPV, HST	632333	632343	632353

IPS-220 pump sensor



Order code 11570

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