



# powered instruments

*... for precision small bone surgery*



**deSouther**  
MEDICAL

### EPV-220

*Air operated handpiece with rotary bur attachment*



### ECV-220

*Corded electric handpiece with sagittal saw attachment*

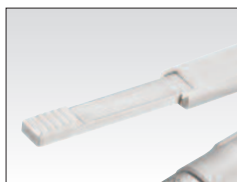


### ECV-221

*Corded electric handpiece with angled wire drive attachment*



EPV-220 and ECV-220 operating lever extends for optional finger positioning.



Fully adjustable lever rotates offering improved usability and ergonomics.

## HANDPIECE SPECIFICATIONS

### Corded electric drive

| Control method | Type code | Order code | Speed         | Power supply                    |  |
|----------------|-----------|------------|---------------|---------------------------------|--|
| Lever          | ECV-220   | 1284334    | 0 - 35000 rpm | 4 metre cable from power supply |  |
| Foot pedal     | ECV-221   | 1284224    | 0 - 35000 rpm | 4 metre cable from power supply |  |

See page 5 for PC-450 power supply and PC-451 irrigation power supply. See page 7 for irrigation hose kit.

















### Air operated

| Control method | Type code | Order code | Speed         | Air supply operating pressure |  |
|----------------|-----------|------------|---------------|-------------------------------|--|
| Lever          | EPV-220   | 226444     | 0 - 35000 rpm | 6 - 7 bar                     |  |
| Foot pedal     | EPV-221   | 226454     | 0 - 35000 rpm | 6 - 7 bar                     |  |

See page 6 for IPV-220 irrigation system. See page 10 for 'Wash Assist' air hose system.

# ERGOPLUS™ MODULAR ATTACHMENTS

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|   | Order code | Chuck description  | Model  | Speed rpm            |
|---|------------|--|--------|----------------------|
| <b>DRILL ATTACHMENTS</b>  |            |  |        |                      |
|    | 14560      | 0 - 4.0 mm (5/32") Jacobs chuck  | DV-220 | 0 - 1300             |
|   | 15950      | High speed 0 - 4.0 mm (5/32") Jacobs chuck   | DV-225 | 0 - 5000             |
|   | 15960      | High speed drill A.O. chuck  | DV-225 | 0 - 5000             |
|    | 12790      | Offset A.O. chuck<br>Cannulation diameter 2.2 mm   | DV-220 | 0 - 1500             |
|   | 14250      | Offset 0 - 4.0 mm (5/32") Jacobs chuck<br>Cannulation diameter 2.2 mm  | DV-220 | 0 - 1300             |
| <b>ROTARY BUR ATTACHMENTS</b>   |            |  |        |                      |
|    | 14620      | Medium speed drill ISO 6360 QR   | QV-220 | 0 - 5000             |
|    | 12780      | Accepts all 2.38 mm (3/32") burs<br>Uses R Series burs   | BV-220 | 0 - 35000            |
|   |            |  Long bur guard<br>Part no. 14810 |        |                      |
|    | 17320      | Metal cutter - includes splash hood<br>Accepts metal cutter R60-201  | BV-228 | 0 - 17500            |
|    | 14590      | E- Fitting adaptor<br>Used with AV-220 angle rotary bur  | EV-220 | 0 - 35000            |
|    | 14940      | 20° Contra-angle rotary bur 1:1<br>Used with E-fitting adaptor 14590   | AV-221 | 0 - 35000            |
|  | 9770       | Standard length 20° rotary bur 1:1   | AV-220 | 0 - 35000            |
|   | 9780       | Extended length 20° rotary bur 1:1<br>Used with E-fitting adaptor 14590<br>Accepts 2.38mm (3/32") R Series burs    | AV-220 | 0 - 35000            |
|  | 14600      | E-fitting adaptor for Dermatome<br>Used with head GD-113   | GV-220 | 0 - 15000            |
| <b>RECIPROCATING SAW ATTACHMENT</b>   |            |  |        |                      |
|  | 14550      | 2.5 mm stroke<br>Uses S92 Series saw blades  | CV-220 | 0 - 17000 cycles/min |
| <b>SAGITTAL SAW ATTACHMENTS</b>   |            |  |        |                      |
|  | 14570      | Micro sagittal saw - 4° oscillating arc<br>Uses S86 Series saw blades  | MV-220 | 0 - 28000 cycles/min |
|  | 14610      | 4.5° oscillating arc<br>Uses S85 Series saw blades   | SV-220 | 0 - 28000 cycles/min |
|  | 14790      | Sagittal saw - quick release<br>Uses S88 Series saw blades   | NV-220 | 0 - 28000 cycles/min |
| <b>OSCILLATING SAW ATTACHMENT</b>   |            |  |        |                      |
|  | 14580      | Wrenchless blade chucking<br>Uses S86 Series saw blades  | OV-220 | 0 - 22000 cycles/min |
| <b>WIRE DRIVER ATTACHMENT</b>   |            |  |        |                      |
|  | 17010      | Angled wire driver<br>Cannulation 0.6 - 1.6 mm   | WV-220 | 0 - 1200             |

Ask for Stericut® catalogue for range of sterile packed saw blades, drill bits, rotary burs and K-wires.

**deSouther**  
MEDICAL



# MULTIDRIVE™ MODULAR HANDPIECES

## MPZ-450

*Air operated handpiece with sagittal saw attachment*

## MCZ-450

*Corded electric handpiece with quick release drill attachment*



MPZ Handpiece  
wash cap  
Order code 9950



MPZ-451 for foot pedal  
operation

### HANDPIECE SPECIFICATIONS

#### Corded electric drive

| Control method | Type code | Order code | Speed        | Cannulation | Power supply                    |
|----------------|-----------|------------|--------------|-------------|---------------------------------|
| Trigger        | MCZ-450   | 1284004    | 0 - 1100 rpm | 4.1 mm      | 4 metre cable from power supply |

See page 5 for PC-450 power supply.
















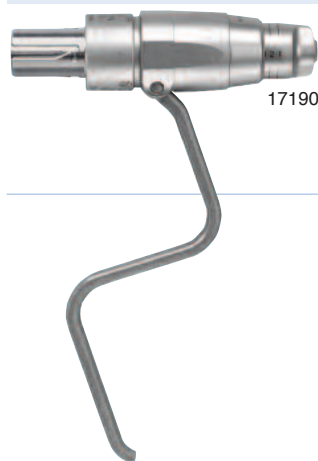


#### Air operated

| Control method | Type code | Order code | Speed        | Cannulation | Air supply operating pressure |
|----------------|-----------|------------|--------------|-------------|-------------------------------|
| Trigger        | MPZ-450   | 226414     | 0 - 1100 rpm | 4.1 mm      | 6 - 7 bar                     |
| Foot pedal     | MPZ-451   | 226424     | 0 - 1100 rpm | 4.1 mm      | 6 - 7 bar                     |

See page 10 for 'Wash Assist' air hose system.

# MULTIDRIVE™ MODULAR ATTACHMENTS

4

|   | Order code | Chuck description  | Model  | Speed rpm            | Cannulation mm |
|---|------------|--|--------|----------------------|----------------|
| <b>DRILL ATTACHMENTS</b>  |            |  |        |                      |                |
|    | 14110      | 0 - 4.0 mm (5/32") Jacobs chuck  | DZ-450 | 0 - 1100             | 3.1            |
|   | 14240      | 0 - 6.35 mm (1/4") Jacobs chuck  | DZ-450 | 0 - 1100             | 4.1            |
|    | 14130      | 0 - 3.0 mm (1/8") Jacobs chuck   | DZ-450 | 0 - 1100             | 3.2            |
|   | 14120      | 0 - 6.0 mm (1/4") Jacobs chuck   | DZ-450 | 0 - 1100             | 4.1            |
| <b>QUICK RELEASE DRILL ATTACHMENTS</b>  |            |  |        |                      |                |
|    | 14140      | A.O. Synthes™/ASIF   | DZ-450 | 0 - 1100             | 2.0            |
|   | 15040      | Hudson/Zimmer combi  | DZ-450 | 0 - 1100             | 4.1            |
|   | 15050      | Trinkle  | DZ-450 | 0 - 1100             | 4.1            |
|    | 15800      | Medium speed drill ISO 6360 QR   | QZ-450 | 0 - 7000             | -              |
| <b>HIGH SPEED BUR</b>   |            |  |        |                      |                |
|    | 16900      | Accepts all 2.38 mm (3/32") burs<br>Uses R Series burs   | BZ-450 | 0 - 22000            | -              |
|   |            |  Long bur guard<br>Part No. 14810   |        |                      |                |
|   |            |  Extra long bur guard<br>Part No. 14820   |        |                      |                |
| <b>REAMING ATTACHMENTS</b>  |            |  |        |                      |                |
|    | 14160      | 0 - 6.35 mm (1/4") Jacobs chuck  | RZ-450 | 0 - 300              | 4.1            |
|   | 14150      | A.O. Synthes™/ASIF/PROTEK  | RZ-450 | 0 - 300              | 4.1            |
|   | 14170      | Hudson/Zimmer  | RZ-450 | 0 - 300              | 4.1            |
| <b>SAWING ATTACHMENTS</b>   |            |  |        |                      |                |
|  | 14210      | Sagittal saw<br>Uses S85 Series saw blades   | SZ-450 | 0 - 18000 cycles/min | -              |
|  |            | Sagittal saw - quick release<br>Uses S88 Series saw blades   | NZ-450 | 0 - 21000 cycles/min | -              |
|  | 14220      | Reciprocating saw<br>Uses S92 Series saw blades  | CZ-450 | 0 - 8000 cycles/min  | -              |
|  | 15110      | Reciprocating saw<br>Uses S22 Series saw blades  | CZ-451 | 0 - 6000 cycles/min  | -              |
| <b>RADIOLUCENT ADAPTOR</b>  |            |  |        |                      |                |
|  | 15210      | Accepts A.O. radiolucent drill attachment  | TZ-450 | 0 - 1100             | -              |
| <b>PULSE LAVAGE ADAPTOR</b>   |            |  |        |                      |                |
|  | 17230      | Pulse Lavage attachment<br>Uses P20-7XX Series pump kits   | LZ-451 | 0 - 1100 pulses/min  | -              |
| <b>WIRE AND PIN DRIVE ATTACHMENTS</b>   |            |  |        |                      |                |
|  | 17190      | Wire/pin driver  | WZ-451 | 0 - 1100             | 0.7 - 4.0      |
|   | 14260      | Wire driver - gold nose  | WZ-450 | 0 - 1100             | 0.6 - 1.8      |
|   | 14270      | Pin driver - silver nose   | PZ-450 | 0 - 1100             | 1.8 - 3.2      |
|   |            |  14260<br> 14270 |        |                      |                |

Ask for Stericut® catalogue for range of sterile packed saw blades, drill bits, rotary burs and K-wires.

# PC-450 & PC-451 POWER SUPPLY UNITS

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**PC-450**  
Dual socket  
power supply



**PC-451**  
Power supply  
with irrigation pump.



4 metre cable used  
with MCZ and ECV  
handpieces.  
Order code 12850

## POWER SUPPLY OPTIONS

| Model  | Description                  | Order code | For use with model types  | Bag capacity               |
|--------|------------------------------|------------|---------------------------|----------------------------|
| PC-450 | Power supply                 | 14970      | ECV-220, ECV-221, MCZ-450 | -                          |
| PC-451 | Power supply with irrigation | 14980      | ECV-220, ECV-221          | 1 litre (bag not supplied) |

Input - 230Vac, 120Vac and 100Vac.

Mains power cord sets - 3 metres long.  
Please specify from options below

|                       |                   |
|-----------------------|-------------------|
| UK                    | Order code: 8290  |
| Euro                  | Order code: 8300  |
| US/Canada             | Order code: 8310  |
| Australia/New Zealand | Order code: 8320  |
| Swiss                 | Order code: 14700 |

# IRRIGATION PUMP FOR EPV MODELS

## IPV-220 IRRIGATION PUMP



| Model   | Order code | Used with                                  | Maximum bag capacity          | Operating features   |
|---------|------------|--|-------------------------------|--|
| IPV-220 | 11560      | EPV-220<br>or<br>EPV-221<br>via foot pedal | 1 litre<br>(bag not supplied) | <ul style="list-style-type: none"> <li>Fully disposable irrigation kits</li> <li>Simple 'clip-on' set-up</li> <li>4 function settings</li> <li>Variable flow rate</li> <li>Removable pump head for cleaning</li> </ul> |

Input - 230Vac, 120Vac and 100Vac.

Mains power cord sets - 3 metres long.  
Please specify from options below

|                       |                   |
|-----------------------|-------------------|
| UK                    | Order code: 8290  |
| Euro                  | Order code: 8300  |
| US/Canada             | Order code: 8310  |
| Australia/New Zealand | Order code: 8320  |
| Swiss                 | Order code: 14700 |

## IPS-220 IRRIGATION PUMP SENSOR

Order code 11570

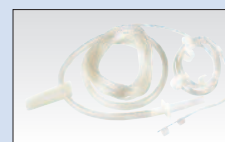
Detects small amounts of air flow in the exhaust to start the pump. Fits simply between the air hose connecting to the EPV-221 and the air supply or Foot pedal FV-221. (See page 7).



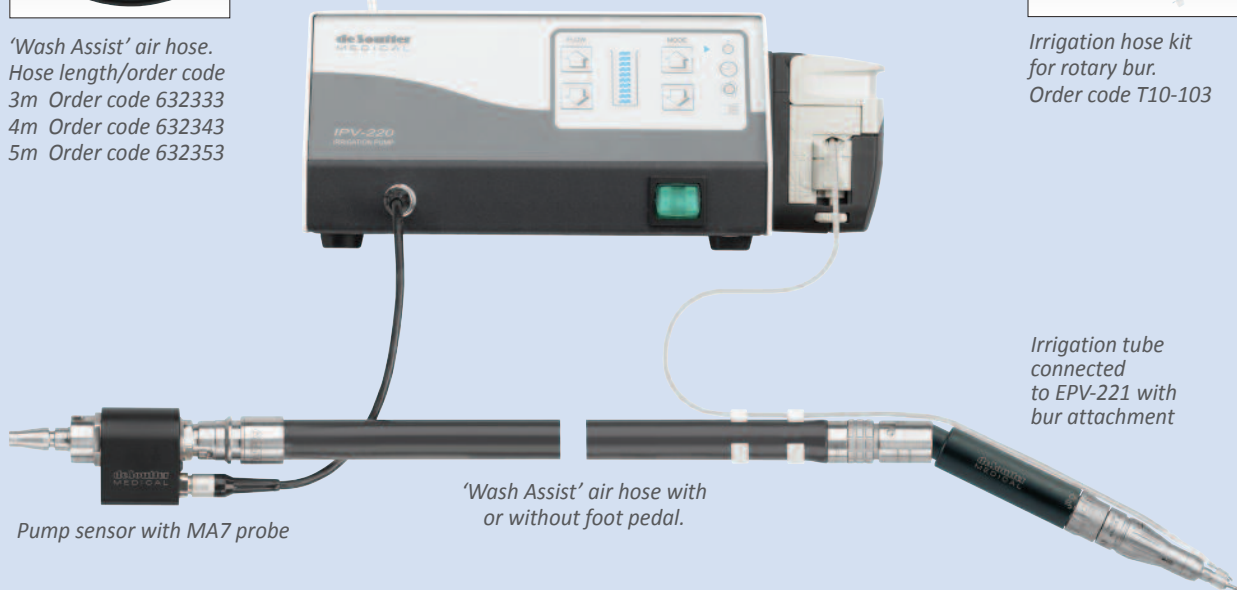
## IRRIGATION SYSTEM



'Wash Assist' air hose.  
Hose length/order code  
3m Order code 632333  
4m Order code 632343  
5m Order code 632353



Irrigation hose kit  
for rotary bur.  
Order code T10-103



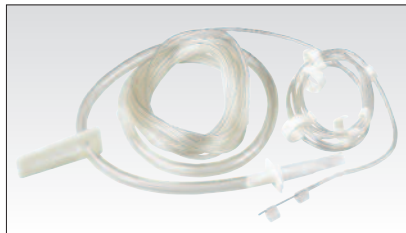
Pump sensor with MA7 probe

'Wash Assist' air hose with  
or without foot pedal.

Irrigation tube  
connected  
to EPV-221 with  
bur attachment



## IRRIGATION HOSE



Irrigation hose kit for use with ECV-220 and ECV-221 fitted with rotary bur.  
Order code T10-100.

Ask for Stericut® catalogue for range of rotary burs.



*ECV-220 fitted with rotary bur and T10-100 hose kit.*

## FOOT CONTROLS

### FOOT SWITCH FOR ECV-221

| Model  | Order code | Operating features  |
|--------|------------|---|
| FS-220 | 12830      | <ul style="list-style-type: none"> <li>• Forward, reverse and safe mode selection</li> <li>• A or B power output socket selection</li> <li>• Variable speed selection to ECV-221 via pedal</li> <li>• Foot guard protects against accidental actuation</li> </ul> |

Used with ECV-221 handpiece controlled through either PC-450 or PC-451 power supply units.



### FOOT PEDAL FOR EPV-221 AND MPZ-451

| Model  | Order code | Foot pedal inlet connection  | Foot pedal outlet connection   |
|--------|------------|--|--|
| FV-220 | 14900      | Integral 3 metre supply hose with MA7 probe.                                     | Accepts any MPZ size 'Wash Assist' sub assembly. See below.          |
| FV-221 | 14910      | Accepts Draeger MPZ size 'Wash Assist' hoses with air exhausted at wall fitting. | Accepts any MPZ size 'Wash Assist' air hose sub assembly. See below. |
| FV-222 | 15000      | Integral 3 metre supply hose with MA7 probe.                                     | MA7 outlet   |

See page 10 for 'wash assist' air hose system



'Wash Assist' sub-assembly air hose.  
3 metre length - Order code 632333  
4 metre length - Order code 632343  
5 metre length - Order code 632353



# MICRODRIVE™ DEDICATED HANDPIECES

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**D30-100**  
Drill/bur



**D32-100**  
Sagittal saw



**D33-100**  
Oscillating saw



**D34-100**  
Reciprocating saw



**D36-100**  
Wire driver



Extra long bur guard  
Order code 2240

Long bur guard  
Order code 2230



Handpiece  
wash cap  
Order code 8110

## AIR OPERATED HANDPIECE SPECIFICATIONS

| Function          | Type code | Order code | Speed                | Wire capacity/cannulation | Air supply operating pressure | Accessories                 |
|-------------------|-----------|------------|----------------------|---------------------------|-------------------------------|-----------------------------|
| Drill             | D30-100   | 219664     | 0 - 30000 rpm        | -                         | 6 - 7 bar                     | Stericut R series burs      |
| Sagittal saw      | D32-100   | 219774     | 0 - 25000 cycles/min | -                         | 6 - 7 bar                     | Stericut S92 saw blades     |
| Oscillating saw   | D33-100   | 219884     | 0 - 25000 cycles/min | -                         | 6 - 7 bar                     | Stericut S92 saw blades     |
| Reciprocating saw | D34-100   | 219994     | 0 - 18000 cycles/min | -                         | 6 - 7 bar                     | Stericut S92 saw blades     |
| Wire driver       | D36-100   | 226004     | 0 - 2000 rpm         | 0.7 - 1.6 mm              | 6 - 7 bar                     | Stericut K wires and guides |

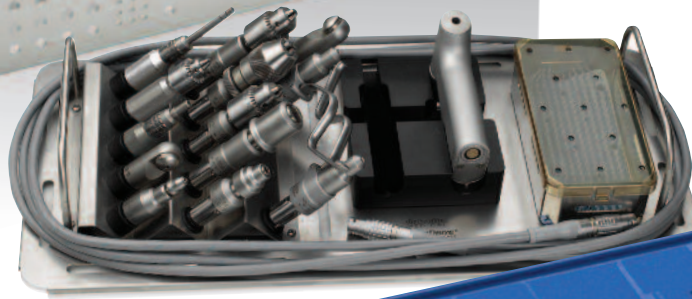
See page 10 for 'Wash Assist' air hose system.

# STERILISATION CASES

9



Standard container



Standard insert tray



Sterile filtered container

## STANDARD CONTAINER

| Handpiece model                          | Container and tray Order code | Tray only Order code | Handpieces   | Optional tray contents Attachments                         | Cable/hose                                       |
|--|-------------------------------|----------------------|--|--|--|
| ECV-220<br>ECV-221<br>MCZ-450            | 14390                         | 14410                | 1 off ECV-220 or ECV-221<br>1 off MCZ-450            | 5 off Ergoplus attachments<br>8 off Multidrive attachments | 2-off Cable<br>Order code 12850                  |
| EPV-220<br>EPV-221<br>MPZ-450<br>MPZ-451 | 14390                         | 14410                | 1 off EPV-220 or EPV-221<br>1 off MPZ-450 or MPZ-451 | 5 off Ergoplus attachments<br>8 off Multidrive attachments | 1-off Hose<br>See opposite page for hose options |

## STERILE FILTERED CONTAINER

| Order code |
|------------|
| 17410      |

Will accept standard container and tray

All container materials: Aluminium container and aluminium lid.  
Size: 538 mm x 254 mm x 142 mm. DIN compatible.

## D30 STERILISATION CONTAINER

|                 |
|-----------------|
| Order code 7540 |
|-----------------|



Filter paper - single use.  
Pack of 100  
Order code 657243



Security tag.  
Pack of 100  
Order code 657253





Sterile indicator label. Pack of 100  
Order code 657263

## AIR HOSES



The Wash Assist co-axial hose system is recommended where machine washing of air hoses is required.

By releasing the probe end from the hose, which is retained on the hose via the rubber strap, the two hose ends can be joined and sealed prior to machine washing.

|   | Probe        | Model                 | 3 metre hose - Order code | 4 metre hose - Order code | 5 metre hose - Order code |
|---|--------------|-----------------------|---------------------------|---------------------------|---------------------------|
|    | MA7 Schrader | EPV/MPZ<br>D30 Series | 13300<br>13600            | 13400<br>13700            | 13500<br>13800            |
|  | AO           | EPV/MPZ<br>D30 Series | 13310<br>13610            | 13410<br>13710            | 13510<br>13810            |
|  | Draeger      | EPV/MPZ<br>D30 Series | 13330<br>13630            | 13430<br>13730            | 13530<br>13830            |
|  | AGA Inst.    | EPV/MPZ<br>D30 Series | 13320<br>13620            | 13420<br>13720            | 13520<br>13830            |

Other probe connectors are available on request.

## STERICUT®



Ask for Stericut® catalogue sheets for De Soutter Medical's wide range of drills, rotary burs, saw blades and K-Wires.

Stericut® disposable precision cutting accessories save time and help cost containment by eliminating the need to clean, sterilise or inspect them for sharpness prior to use.

All accessories are supplied in boxes of five unless otherwise stated.





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please contact the address in your area***

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