



RESPIRATORY TRACT / WOUND DRAINAGE



RESPIRATORY
TRACT



NON-INVASIVE VENTILATION: C.P.A.P.

CONTINUOUS POSITIVE AIRWAY PRESSURE: VYGON / BOUSSIGNAC CPAP

Device for respiratory assistance for patients breathing spontaneously. Compatible with all face masks, endotracheal tubes and tracheostomy tubes. This is an open system. Pressure is generated by the injection of gases passing through micro-capillaries (located all around the CPAP device) increasing in speed and generating turbulence therefore creating a "virtual valve". The CPAP device has two ports: a green one with integral oxygen connecting tube and a translucent colourless port for:

- controlling pressure (use manometer code 527.01)
- monitoring CO₂
- adding oxygen.



► Physiological effects of this product are as follows:

On ventilation:

- Improved gas exchange (elevation of FRC, improvement of Va/Q match) with redistribution of the alveolar liquid to the interstitial space in the case of pulmonary oedema.
- Decreased pulmonary resistance
- Decreased work of breathing.

Haemodynamic effects:

- Increase of both cardiac and systolic index:
 - Decrease of left ventricular preload (CPAP reduces venous blood return)
 - Decrease of both: left ventricular post load and transmural pressure.

► Main indication: Acute pulmonary oedema (APO)

Always associate C.P.A.P. and medical treatment (nitrates, diuretics...).

Benefits of a C.P.A.P. treatment:

- Prompt clinical and gasometric improvement
- Decreased number of endotracheal intubations.

A C.P.A.P. treatment is recommended in case of medium and severe APO (signs of ventilatory distress and/ or respiratory frequency > 25 respiratory cycles and/ or SpO₂ in patient bearing an O₂ high concentration mask < 95%). The treatment must start immediately when the diagnosis is made, before inserting an I.V. catheter, starting at a pressure level of 7.5 cm H₂O and increasing up to 10 cm H₂O if no or insufficient patient improvement.

Indications:

- Acute pulmonary oedema (APO)
- In hypoxemia, CPAP improves PaO₂ without the need for endotracheal intubation
- Prevention of post-operative atelectasis
- Weaning from artificial ventilation
- Chronic obstructive pulmonary disease (use air to generate the pressure).

Advantages:

- Very simple to use
- Very low dead space and small size
- Bronchoscopy can be performed in patients with severe hypoxemia
- Open system, making it possible to communicate with the patient, which helps to reduce stress
- Reduces work of breathing due to the virtual valve which has no inertia.



NON-INVASIVE VENTILATION: C.P.A.P.

VYGON / BOUSSIGNAC CPAP RANGE

5570.13 Vygon / Boussignac CPAP

5/120

CPAP device and manometer connector.

Oxygen connecting tube: Length 200 cm.



5561 CPAP kit (with mask)

1/24

Contents:

- 1 CPAP device and manometer connector
- 1 face mask (4 sizes)
- code 5561.303 (adolescent)
- code 5561.403 (adult - small)
- code 5561.503 (adult - medium)
- code 5561.603 (adult - large)

5562 CPAP kit (with mask and fixation harness)

1/24

Contents:

- 1 CPAP device and manometer connector
- 1 silicone fixation harness
- 1 face mask (4 sizes)
- code 5562.303 (adolescent)
- code 5562.403 (adult - small)
- code 5562.503 (adult - medium)
- code 5562.603 (adult - large)



5562.802 Emergency CPAP kit

1

**Kit designed for use in emergency situations
(pre-hospital care).**

Kit containing:

- 2 CPAP devices code 5570.13
- 1 adult mask (small) code 5557.45
- 1 adult mask (medium) code 5557.55
- 1 adult mask (large) code 5557.65
- 1 silicone harness code 5559.01
- 1 CPAP manometer code 527.01
- 1 manometer attachment cord
- 1 oxygen flowmeter code 5563.02 (complies with AFNOR standard)*
- 1 x 20 ml syringe to inflate cushion
- 1 nebulizer
- 1 FiO₂ device (code 5566.01)

* Other standards (DIN, BSI, Nordic, etc.) contact your Vygon representative.





NON-INVASIVE VENTILATION: C.P.A.P.

CPAP BOUSSIGNAC AND NEBULISATION

Device for respiratory assistance for patients breathing spontaneously allowing nebulisation of broncho-dilators together with a positive pressure.

▶ **The use of nebulized sympathomimetics** is recommended during acute asthma exacerbations. Indeed this route is more effective and entails fewer side effects than when given intravenously.

▶ **The additive effect of CPAP** allows:

- More distal delivery of the medication
- Reduction of pulmonary resistance
- Decreased work of breathing
- Reduction or even elimination of the Auto-PEEP
- Increased deposition of the nebulized medication by 30%
- Improved administration of broncho-dilators
- Prompt clinical and gasometric improvement.

▶ **Main indication for CPAP and nebulisation: acute asthma**
Make sure to always combine CPAP and conventional medication (beta 2 mimetics and anticholinergic + systemic therapy with corticoids).

CPAP and nebulisation is recommended in case of acute asthma exacerbations (expiratory peakflow < 50%). This technique must be used immediately when the diagnosis is made and the treatment with nebulisation is decided.
Pressure to be applied in the case of acute asthma is 2 to 4 cm H₂O.
The flowrate to be applied on the nebulizer is 6 liters/min.

Renew nebulisation based on clinical improvement of expiratory peakflow and the SpO₂: nebulisation can be renewed every 20 minutes based on the clinical state of the patient.

5577.013 CPAP kit and nebulizer (without mask) 1/24

Contents:

- 1 CPAP device and manometer connector
- 1 nebulizer.

5571 CPAP kit and nebulizer (with mask) 1/24

Contents:

- 1 CPAP device and manometer connector
- 1 nebulizer
- 1 face mask (4 sizes)

code 5571.303 (adolescent)
code 5571.403 (adult - small)
code 5571.503 (adult - medium)
code 5571.603 (adult - large).

5572 CPAP kit and nebulizer 1/24 (with mask and fixation harness)

Contents:

- 1 CPAP device and manometer connector
- 1 nebulizer
- 1 silicone fixation harness
- 1 face mask (4 sizes)

code 5572.303 (adolescent)
code 5572.403 (adult - small)
code 5572.503 (adult - medium)
code 5572.603 (adult - large).



NON-INVASIVE VENTILATION: CPAP BOUSSIGNAC ACCESSORIES



CPAP BOUSSIGNAC ACCESSORIES

527.01 CPAP manometer 1

Connects to colourless translucent port on CPAP device.
Indicates each centimetre of H₂O from 0 to 25 cm.
Encased in a protective polyurethane housing.
Spare connecting tube available under code 5558.053



Code 527.01

5558.053 Manometer connecting tube 10/240

Spare CPAP manometer (code 527.01) connecting tube.

5563.01 Air flowmeter

5563.02 Oxygen flowmeter 1

Measures flow rate up to 30 liters/min while standard flowmeters only measure flow rates up to 1.5 liters/min. Complies with AFNOR standard. Other standards (DIN, BSI, Nordic, etc.) contact your Vygon representative.



Code 5563.01

5566.01 FiO₂ regulator device for Boussignac CPAP 5

Device which fits in between the facial mask and the Boussignac CPAP.
Through a leak generated by the device, the FiO₂ can be modified.
The FiO₂ regulator device comes with an angle to avoid the patient receiving a direct flow of oxygen in the eyes.
This product allows to change the FiO₂ in emergency conditions when air is not available (pre-hospital care).
Indeed, this product is perfectly adapted to COPD patients requiring ventilation assistance.
Possible values are 30%, 50% and 100%.



Code 5566.01



NON-INVASIVE VENTILATION: CPAP BOUSSIGNAC ACCESSORIES

555.01 15F/22F connector

20/240

Allows CPAP device to be connected to E.T. tube (or tracheostomy cannula) of an intubated patient to assist in re-establishing respiratory function.



Code 555.01

884.06 Y connector

50/200

Allows the connection of the Boussignac CPAP to a source of air and a source of oxygen to modify the FiO₂.

FACE MASKS

5557 Face mask

5

Disposable mask, inflatable cushion, vanilla scented.
Colour code on ring for fixation harness (except sizes 1 and 2). Not sterile.



Code 5557.15

Code 5557.25

Code 5557.35

Code 5557.45

Code 5557.55

Code 5557.65

Code	Size	Corresponds to body size	Colour code	Connections mm
5557.15	1	Neonatology	-	15
5557.25	2	Child	-	15
5557.35	3	Adolescent	●	22
5557.45	4	Adult - small	●	22
5557.55	5	Adult - medium	●	22
5557.65	6	Adult - large	●	22

5559.01 Silicone fixation harness for face mask

5/120

Silicone head strap. Not sterile.

NON-INVASIVE VENTILATION: OXYGEN THERAPY



OXYGEN THERAPY DEVICES

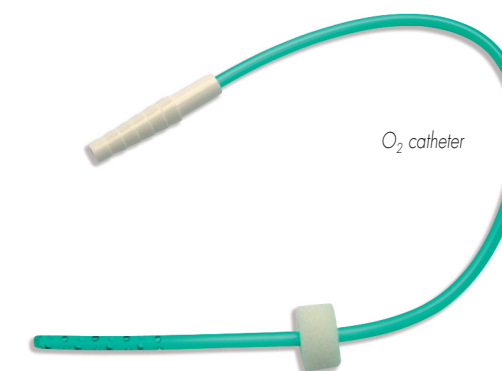
For paediatric silicone nasal oxygen cannulae, see page 41

595

50/450

Nasal oxygen catheter (PVC)

Fr 08 - 10 - 12 - 14 - 16 - 18: Length 40 cm.

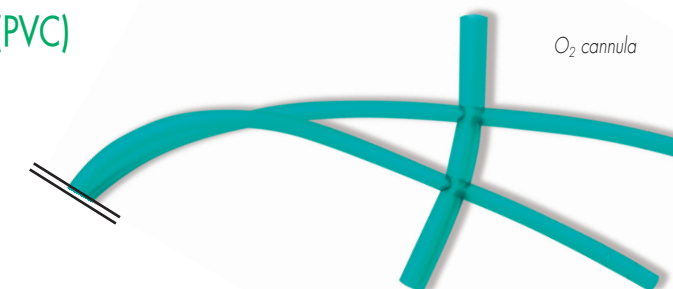


O₂ catheter

596.14 Nasal oxygen cannula (PVC)

25/150

Adjustable nasal cannulae.
Fr 14: Length 100 cm.



O₂ cannula

597

20/120

Oxygen connecting tube (PVC)

Fr 21: Length 180 cm.



O₂ connecting tube

598.00

20/120

Oxygen mask (PVC)

Fitted with a connecting tube (PVC): Length 150 cm.



O₂ mask



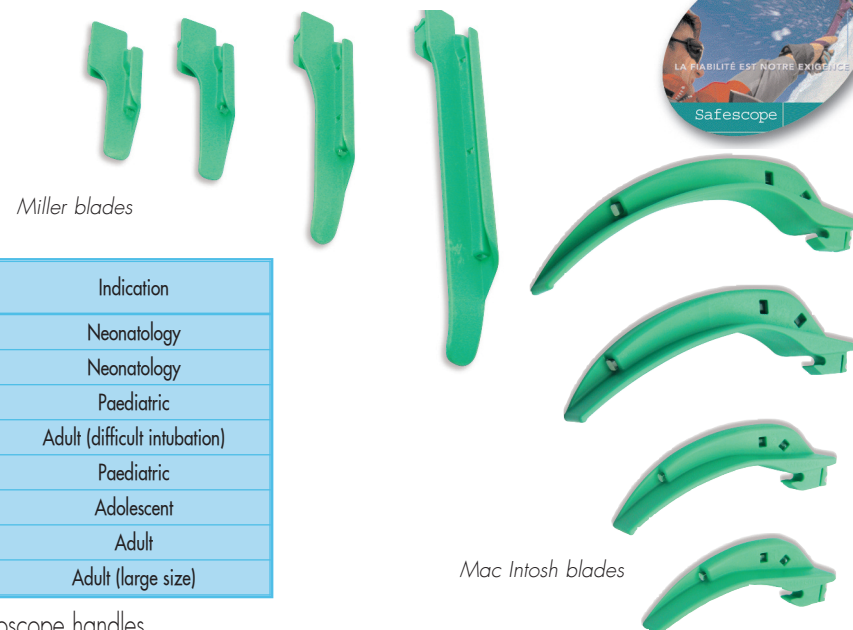
LARYNGOSCOPY

LARYNGOSCOPE WITH DISPOSABLE BLADES

691 Safescope laryngoscope blade: Miller and Mac Intosh type

20/180

Disposable, sterile laryngoscope blade, with fibre optic light source. Supplied in a protective cover.



Code	Type	Indication
691.20	Miller n°00	Neonatology
691.10	Miller n°0	Neonatology
691.11	Miller n°1	Paediatric
691.12	Miller n°2	Adult (difficult intubation)
691.01	Mac intosh n°1	Paediatric
691.02	Mac Intosh n°2	Adolescent
691.03	Mac Intosh n°3	Adult
691.04	Mac Intosh n°4	Adult (large size)

N.B. For use only with Safescope laryngoscope handles.

692 Safescope laryngoscope handle

1/4

Reusable laryngoscope handle with Xenon bulb.

The handle is completely waterproof.

It may be cleaned using hospital disinfectants or immersed in a disinfectant bath.

Before sterilizing the handle in an autoclave, remove the batteries and the bulb.

N.B. Safescope laryngoscope handles should only be used with Vygon disposable blades.

Code	Type	Batteries (not supplied)
692.01	Standard handle	LR 14 (x2)
692.02	Short handle	LR 6 (x2)
692.03	Thin handle	LR 6 (x2)

Code 692.03



692.81 Spare bulb for Safescope laryngoscope

1/25

Xenon bulb ensuring bright light.

Supplied with a special tool for insertion / removal.



Code 692.81



INVASIVE VENTILATION

E.T. TUBES WITH LOW PRESSURE CUFF

General features of Vygon cuffed E.T. tubes:

- Transparent PVC tube with XRO line
- Oral / nasal intubation
- 37° bevel
- 15 mm adaptor
- Low pressure cuff

514/514 K Endotracheal tube

Code 514: soft tube, code 514 K: more rigid tube.

509 K Endotracheal tube with Murphy eye

518 Endotracheal tube

For long-term anaesthesia, resuscitation, intensive care.

Tubes 509 K and 514 (K) are recommended for oral intubation.

Tube 518, soft tube, is recommended for nasal intubation.

Code			Int. Ø mm	Ext. Ø mm	Length mm	Box/case
509.50 K	514.50 (K)	518.50 A*	5.0	7.0	250	20/160
509.55 K	514.55 (K)	518.55 A*	5.5	8.0	250	20/160
509.60 K	514.60 (K)	518.60 A	6.0	8.5	300	20/160
509.65 K	514.65 (K)	518.65 A	6.5	9.0	300	20/160
509.70 K	514.70 (K)	518.70 A	7.0	10.0	325	20/140
509.75 K	514.75 (K)	518.75 A	7.5	10.5	325	20/140
509.80 K	514.80 (K)	518.80 A	8.0	11.0	325	20/140
509.85 K	514.85 (K)	518.85 A	8.5	11.7	325	20/140
509.90 K	514.90 (K)	518.90 A	9.0	12.5	325	20/140
509.95 K	514.95 (K)	518.95 A	9.5	13.0	325	20/140
509.10 K	514.10 (K)	-	10.0	13.5	325	20/140

*Length 300 mm



Code 514.75

TRACHEOSTOMY

523 Tracheostomy tube

1/90

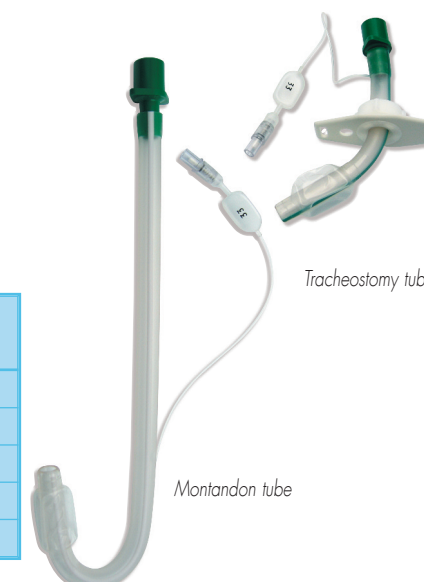
PVC tube with low-pressure cuff. Adjustable fixation collar.

524 Montandon tube

20/120

PVC tube with low-pressure cuff.

Code		Int. Ø · Ext. Ø mm	Fr	523 Length mm
523.26	524.26	6 - 8.5	26	110
523.30	524.30	7 - 10	30	115
523.33	524.33	8 - 11	33	125
523.36	524.36	9 - 12	36	135
523.39	524.39	10 - 13	39	145



Tracheostomy tube

Montandon tube



INVASIVE VENTILATION

BOUSSIGNAC CPR SYSTEM

• New concept of E.T. tube with capillaries moulded into the tubing wall. When gas is injected through these capillaries, turbulence is created in the distal end of the tube, creating a "virtual valve". Continuous insufflation of 15 liters/min of oxygen into the microcapillaries generates intra pulmonary pressure of 10 cm H₂O.

• A single person resuscitating can perform continuous external cardiac massage, as it is not necessary to interrupt cardiac massage for ventilation. The cardiac massage, as well as the continuous insufflation of oxygen improves overall haemodynamics and therefore preserves the vital organs as much as possible.

• The proximal end of the tube is open to the air. This helps prevent barotrauma caused by the lack of synchronisation between the resuscitator performing cardiac massage and the resuscitator ventilating the patient.

• The continuous flow of oxygen allows satisfactory CO₂ elimination due to constant dead space washout. Furthermore, because the oxygen exits close to the carina, the quality of the alveolar air is improved.

Cardiac massage, carried out without any interruption and associated with continuous insufflation of oxygen, ensures a performing ventilation.

This technique allows a **better oxygenation**, a **better haemodynamic** and a **decrease of complications** related to cardiac massage.

Characteristics of the tube for cardio-respiratory arrest:

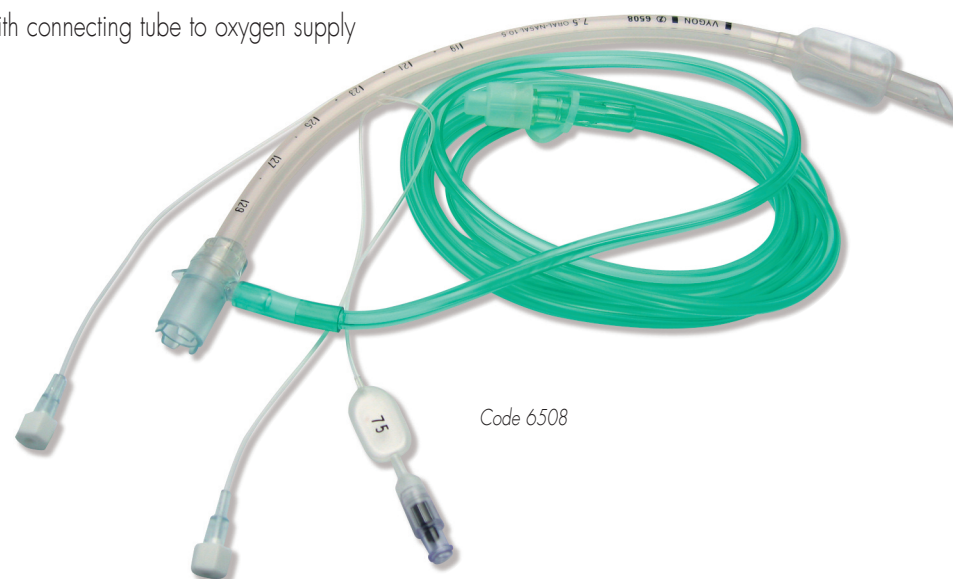
- Transparent PVC tube with radiopaque line
- 5 micro-capillaries for intra-tracheal administration of oxygen
- 1 capillary for inflating the low pressure cuff
- 2 capillaries for capnometry and/or pressure monitoring and/or injecting medication (Adrenalin).



6508 Boussignac CPR system

Flexible blister pack containing:

- 1 tube for cardiac massage with connecting tube to oxygen supply



Code 6508

Code	Int. Ø - Ext. Ø mm	Length mm	Capillaries for oxygen administration	
			Ø mm	Number
6508.70	7.0 - 10.0	325	0.65	5
6508.75	7.5 - 10.5	325	0.75	5
6508.80	8.0 - 11.0	325	0.85	5



HEAT AND MOISTURE EXCHANGERS

ARTIFICIAL NOSES*

Hygroflux devices are artificial noses with a foam impregnated with Calcium Chloride (hygroscopic agent) and Chlorhexidine to prevent bacterial proliferation. This product is not sterile because sterilization would denature the Chlorhexidine. Hygroflux complies with ISO 9360 requirements. Hygroflux must be replaced at least every 24 hours and/or according to the needs to avoid an increase in resistance due to accumulation of possible secretions.

501.01 Hygroflux 1

25/600

Adult resuscitation, long-lasting anaesthesia, intensive care. Connections: 15 mm male - 15 mm female / 22 mm male. Recommended tidal volumes: 150 - 1500 ml.

Hygroflux 1



501.02 Hygroflux 2

30/720

Adult/child anaesthesia - Accident and Emergency, EMS - Face mask ventilation. Connections: 15 mm male for Y connector / 15 mm female for E.T. tube - 22 mm for face mask. Recommended tidal volumes: 80 - 600 ml.

Hygroflux 2



501.04 Hygroflux neonate

40/960

See page 43

Code 501.04



501.10/20 Hygroflux tracheo

30/720

For patients bearing a tracheostomy tube but breathing spontaneously. Specially designed for ambulatory patients. 5 mm connector for oxygen supply. 15 mm female connector. **Code 501.20**: similar to code 501.10 but the product features a valve allowing the passage of a suction tube.



Hygroflux tracheo

Code	Weight g	Length mm	Dead space ml	Resistance
501.01	10	83	35	30 liters/ min: 0.7 cm H ₂ O
501.02	8	69	20	30 liters/ min: 0.7 cm H ₂ O
501.04	2	32	2*	15 liters/ min: 1.1 cm H ₂ O
501.10	5	29	12	30 liters/ min: 0.15 cm H ₂ O
501.20	5	29	12	30 liters/ min: 0.15 cm H ₂ O

* 3 ml for spontaneous breathing

805 Flexible connector

40/960 Code 805.01: 15 mm male / 15 mm female connections

25/600 Code 805.02: Code 805.02: 15 mm female / 22 mm female connections. Used with codes 551.31 and 553.31. Not sterile.



Code 805.01

* Only available in some countries. Contact your Vygon representative.



HUMIDIFYING FILTERS

ARTIFICIAL NOSES WITH ANTI-BACTERIAL AND ANTI-VIRAL FILTER*

Filtraflex is placed between the endotracheal tube of the patient and the Y connector of the ventilator. MBS casing with connector for capnometry. Foam impregnated with Calcium Chloride (Hygroscopic agent) and Chlorhexidine preventing bacterial proliferation. Polypropylene filter. Mechanical and electrostatic filtration. This product is not sterile because sterilization would denature the Chlorhexidine. Filtraflux must be replaced at least every 24 hours. Filtraflux complies with ISO 9360 requirements.

551.01 Filtraflux (large model) 15/360

Distal and proximal connections: 15/22 mm male/female
Recommended tidal volumes: 200 – 1500 ml.

551.31 Filtraflux (large model) 20/240

With integral flexible connecting tube.

Length of the flexible connecting tube 150 mm. 15/22 mm male female / 15 mm female.
Recommended tidal volumes: 200 – 1500 ml.



Code 551.31

551.02 Filtraflux (small model) 30/720

Connections: 15 mm male and 15/22 mm female / male
Recommended tidal volumes: 70 – 600 ml.

Code	Weight g	Length mm	Dead space ml	Resistance
551.01	33	113	55	30 liters/min: 0.8 cm H ₂ O
551.31	42	245	80	30 liters/min: 1 cm H ₂ O
551.02	17	90	22	15 liters/min: 1 cm H ₂ O



Code 551.02

* Only available in some countries. Contact your Vygon representative.



RESPIRATORY FILTERS

ANTI-BACTERIAL AND ANTI-VIRAL FILTERS*

MBS casing with connector for capnometry. This device can be placed near the patient between the endotracheal tube and the Y connector to protect the respiratory circuit of a contaminated patient. However it can only be used in that position for a short time, because this device does not allow humidification nor heating of ventilation gases. More frequently, the respiratory filter is placed next to the ventilator at the distal end of the expiratory tubing, but other positions are possible. The filter must be changed at least every 24 hours. Complies with ISO 9360 requirements. Not sterile.

553.01 Respiratory filter (large model) 15/360

Connections: 15/22 mm male/female and 15/22 mm female/male.



Code 553.01

553.31 Respiratory filter (large model) with flexible tubing 20/240

Length of the integral flexible connecting tube: 150 mm.
Connections: 15/22 mm male/female and 15 mm female.



Code 553.31

553.02 Respiratory filter (small model) 30/720

Connections: 15 mm male and 15/22 mm female/male.



Code 553.02

553.03 Hydrophobic filter 10/240

HEPA type anti-bacterial and anti-viral filter.

HEPA: High Efficiency Particulate Air Filtration. The hydrophobic membrane is not impregnated by fluids which ensure a continuous filtering functionality. Mechanical type filtration. Efficiency of the bacterial/viral filtration: 99.9999 / 99.99993 % for 3µm particles and 99.9995 % for 0.3 µm particles. Connections: 15 mm male and 15/22 mm female/male. Recommended tidal volumes: 250 – 1500 ml.

Code	Weight g	Length mm	Dead space ml	Resistance
553.01	34	113	55	30 liters/min: 0.7 cm H ₂ O
553.31	42	245	80	30 liters/min: 0.9 cm H ₂ O
553.02	17	90	22	15 liters/min: 1 cm H ₂ O
553.03	43	113	83	30 liters/min: 1.3 cm H ₂ O



Code 553.03



INTUBATION ACCESSORIES

INTUBATION ACCESSORIES

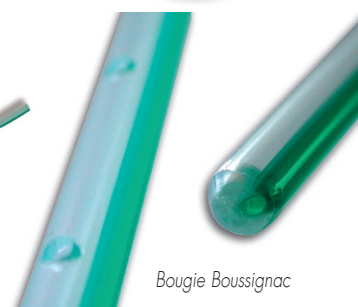
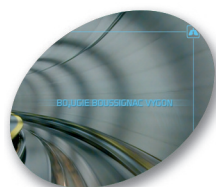
5576 Bougie Boussignac

10/40

Disposable device used in case of difficult intubation (Cormack superior to 2)
 - Standard procedure recommendation for difficult intubation is to use as first intent long and flexible guides.
 - This technique is very effective. According to several studies, the bougies treat more than 96 % of difficult intubations.
 - The bougie Boussignac is the first intent device in the case of difficult intubation.
 Length 60 cm – Markings every 10 cm – Angle 40°
 Code 5576.01: For E.T. tubes sizes 6 to 10 mm
 Code 5576.02: For paediatric E.T. tubes sizes 4 to 5.5 mm
 Benefits: A double duct allows oxygenation (up to 1.5 liters/min) with no risk of barotrauma thanks to decompression openings.

New

Bougie

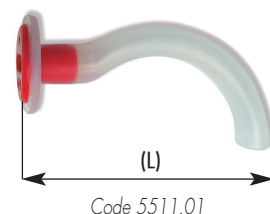


Bougie Boussignac

5511 Guedel airway (EVA)

Rounded atraumatic distal end. With bite-block to prevent occlusion.

Code	Traditional Size	Size according to (ISO 5364)	Length mm	Colour	Box/case
Paediatrics					
5511.30	000	3.5	36	Orange	20/960
5511.20	00	5	51	Blue	20/960
5511.10	0	6	61	Black	20/480
Adults					
5511.01	1	8	77	Red	20/240
5511.02	2	9	94	Green	20/240
5511.03	3	10	100	White	20/240
5511.04	4	11	112	Yellow	20/240



Code 5511.01

In accordance with ISO 5364, the size of an oro-pharyngeal airway is identified by its nominal length : see « L » expressed in millimetres.

526.00 Right angled swivel connector

20/240

Swivel connector for E.T. tubes to ISO standard 15M/15F connections



Code 526.00

Code 526.01

526.01 Right angled double swivel connector

20/240

For bronchoscopies carried out by means of an endotracheal tube. ISO standard 15M/15F connections.



528 Adjustable fixation collar and fixation tape for E.T. tube

20/240

Code	For tube int. Ø mm
528.60	5.5 & 6
528.70	6.5 & 7
528.80	7.5 & 8
528.90	8.5 & 9
528.100	10



Code 528

VYCON



SUCTION TUBES

For a detailed description of paediatric tracheal and bronchial suction tubes, see pages 44

Colour code for tracheal suction tubes with large connector codes 70530, 70531, 70533, 70545 and 70565 according to ISO 8836.

Fr size	04*	05	06	07	08	10	12	14	16	18	21*
Colour	White	Grey	Green	Pink	Blue	Black	White	Green	Orange	Red	Purple

* This size is not mentioned in ISO 8836.

530/70530 Suction tube (PVC)

50/600

Soft tube. Open, straight and rounded tip.

Code 530: Tubes 4 to 10 Fr with small connector – 12 to 18 Fr with large connector.

Code 70530: large connector with colour code for all sizes.

Fr 04 – 05 – 06 – 07 – 08: Length 27 cm

Fr 10 – 12 – 14 – 16 – 18: Length 47 cm

Code 530.06

Code 70530.06

531/70531 Suction tube (PVC)

50/600

Soft tube. Open, straight and rounded tip.

Code 531: large connector without colour code

Code 70531: large connector with colour code for all sizes.

Fr 10 – 12 – 14 – 16 – 18: Length 57 cm

Code 531

Code 70531

533/70533 De Lee suction tube (PVC)

50/600

Open, straight and rounded tip.

Code 533: Tubes 4 to 10 Fr with small connector – 12 to 21 Fr with large connector.

Code 70533: large connector with colour code for all sizes.

Fr 04 – 05 – 06: Length 27 cm

Fr 07 – 08 – 10 – 12 – 14 – 16 – 18 – 21: Length 33 cm

Code 533.06

Code 70533.06

VYCON



SUCTION TUBES

545/70545 Tracheal suction tube (PVC)

50/600

Open, straight and rounded tip. One lateral eye.

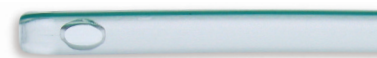
Fr 06 – 07 – 08: **Length 38 cm** – Code 545 with small connector.

Fr 10 – 12 – 14 – 16 – 18 – 21*: **Length 47 cm** – Code 545 with large connector without colour code.

Code 70545: large connector with colour code for all sizes.

* Code 545.21 or 70545.20

Code 545



Code 565



565/70565 Suction tube (PVC) - 57 cm

50/600

Open, straight and rounded tip.

Fr 04* - 05 – 06 – 07 – 08: code 565 with small connector.

Fr 10 – 12 – 14 – 16 – 18 – 20*: code 565 with large connector without colour code.

Code 70565: large connector with colour code for all sizes.

* only available with code 565

** only available with code 70565

535 Control suction tube (PVC)

50/450

Open tip. Proximal connector with lateral eye for finger tip control (with integral closing cap).

Fr 04 – 05 – 06 – 07 – 08 – 10: with 2 lateral eyes

Centimetre graduations from 5 to 20 cm. **Length 29 cm**

Fr 12 – 14 – 16 – 18: no lateral eyes

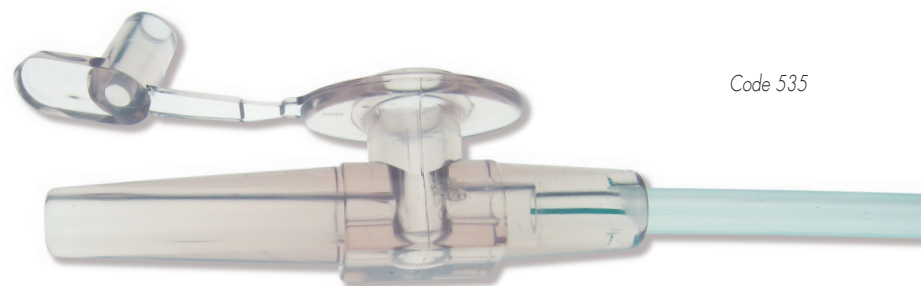
Centimetre graduations from 5 to 20 cm. **Length 42 cm**

802 Connector for finger-tip suction control

20/480

Code 802.01: Fr 04 – 06 – 08 – 10 suction tubes with small connector

Code 802.00: Fr 12 – 14 – 16 – 18 suction tubes



Code 535

Code 802



MUCUS EXTRACTORS / PROTECTED BRONCHIAL SAMPLING



For a detailed description of paediatric mucus extractors, please see page 45

534 Mucus extractor

Each pack contains a separate lid for safe sealing and transport of the aspirate.

Code	Suction catheter Fr	Capacity ml	Box/Case
534.10/101*	10 Fr attached + 6 Fr additional	25	25/150
534.16	16	25	20/120
534.20	10	70	15/120

* Code 534.101 : Connecting tube to vacuum source, with large connector

Code 534.10



536 Mucus extractor with adaptor for bronchoscopy

Each pack contains a separate lid for safe sealing and transport of the aspirate. Supplied with an adaptor code 816 (see below) and a connecting tube for the vacuum source.

Code	Int. Ø - Ext. Ø mm	Connecting tube length (cm)	Capacity ml	Box/Case
536.10	2.0 - 3.3	57	25	20/160
536.16	3.5 - 5.0	20	25	15/120
536.20	3.5 - 5.0	20	70	15/120

Code 536



816.00 Adaptor for mucus extractor connection to a bronchoscope (male Luer / female Luer)

30/2880

Code 816



PROTECTED DISTAL BRONCHIAL SAMPLING

538 Aspisafe 2

20/300

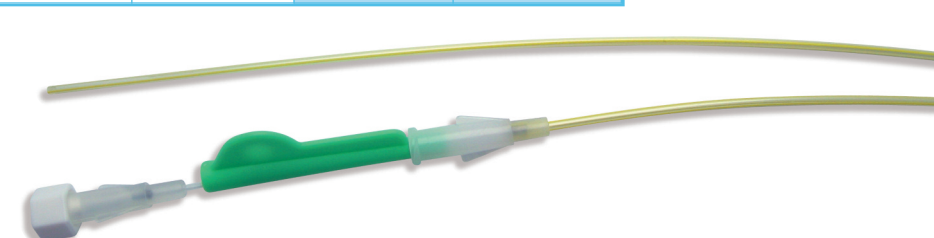
Double catheter for blind bronchoalveolar lavage for diagnosis of ventilator-associated pneumonia. The distal end of the external (radiopaque) catheter is closed by a polyethylene glycol plug.

At the proximal end, there is a **spacer** between the external and internal catheters to avoid premature expulsion of the polyethylene glycol plug.

Code 538.34: Aspisafe 2 for bronchoscope

Code	Internal catheter (PEBAX – NOT XRO)		External catheter (PE – XRO)	
	Int. Ø - Ext. Ø mm	Length cm	Int. Ø - Ext. Ø mm	Length cm
538.25	1.0 - 1.7	65	2.0 - 2.7	60
538.34	0.9 - 1.3	95	1.4 - 1.9	90

Aspisafe 2
Code 538.34





THORACIC DRAINAGE

Trocar drains for pleural drainage in neonates code 625, Joly pleural drain code 635: please see page 46

626 Thoracic trocar and drain

20/180

Transparent PVC drain with XRO line – 2 lateral eyes.
Handle ensures good grip and controlled insertion.
Markings every 2 cm from 2 to 14 cm (12 and 16 Fr), markings every 2 cm from 2 to 24 cm (20 to 32 Fr).
Fr 12 – 16: Length 25 cm
Fr 20 – 24 – 28 – 32: Length 40 cm



Code 626

636 Thoracic trocar and drain

10/90

Transparent PVC drain with XRO line – 2 lateral eyes and fixation collar.
Markings at 5, 10 and 15 cm from the tip.
Fr 14 – 18 – 20 – 24 – 28 – 30: Length 28 cm



Code 636

653 Thoracic drain

10/150

Transparent PVC drain with XRO line – 6 lateral eyes.
Non-traumatic proximal tip allowing connection after shortening. Markings every 2 cm from 2 to 24 cm after the eyes.
Fr 16 – 20 – 24 – 28 – 32: Length 50 cm



Code 653

2633 Silicone thoracic drain

20/180

Straight, rounded tip. Transparent and radiopaque tube.
Fr 18 – 21 – 24 – 27 – 30 – 33 – 36: Length 50 cm

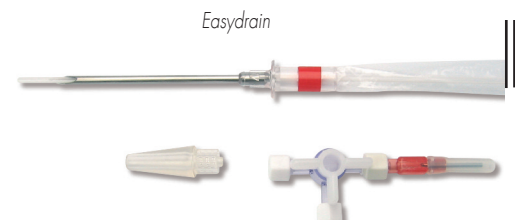


Code 2633

681 Easydrain

10/90

Catheter for pleural drainage which is placed through an introducer needle using a handling sleeve.
Needle and sleeve are removed and the catheter is connected to a stopcock.
A conical adaptor is provided for connecting stopcock to suction or valve.
- 1 introducer needle with integral handling sleeve
- 1 drain (PE - XRO)
- 1 three-way stopcock and drain connector with silicone sleeve
- 1 conical adaptor
Colour coded by size on handling sleeve and drain connector.



Easydrain

Code	Colour code	Drain				Needle		
		Ext. Ø mm	Fr	Length cm	Perforations	Ext. Ø mm	G	Length mm
681.06	Green	2.0	6	30	over 3 cm	2.42	13	57
681.082	Yellow	2.7	8	40	over 4 cm	3.32	10	77
681.08	Red	2.7	8	50	over 10 cm	3.32	10	77
681.10	Blue	3.3	10	50	over 10 cm	4.00	8	77

800.01 Heimlich valve adaptor

50/2400

Allows either the double valve (code 668) or single valve (code 669) to be connected to the drain for pleural drainage in neonates (code 625).



Code 800.01



THORACIC DRAINAGE

669.10 Single valve for thoracic drainage, Heimlich type

25/150

668.00 Double valve for thoracic drainage

20/120

Valve body in flexible and transparent polyurethane with natural rubber sleeve in "duck's bill" shape acting as a non-return valve.
This device is connected directly onto the patient's pleural or thoracic drain (adult, paediatric), or indirectly, using connector code 800.01 and an extension tube for neonates and infants.
This product allows thoracic drainage to continue without risk to the patient even when transported, as the non-return valve means that the drain does not have to be clamped.

Code 668.00: this two chamber device differs from the single valve code 669.10 in that it is possible to apply suction by manual compression of the compartment marked with an arrow (vacuum approximately 150 mbar).



Code 669



Code 668

639 Complete tray for thoracic drainage

1/8

Code 639.08 Paediatric – Trocar drain code 625.08.
Code 639.14 Paediatric – Trocar drain code 636.14
Code 639.18 – Trocar drain code 636.18
Code 639.20 – Trocar drain code 636.20
Code 639.24 – Trocar drain code 636.24
Code 639.28 – Trocar drain code 636.28

Contents:

- 1 XRO trocar drain
- 1 60 x 50 cm fenestrated drape
- 2 rectangular cups for detergent and disinfecting agents
- 4 pads
- 8 10 x 10 cm gauze dressings
- 2 dressing forceps
- 2 10 ml syringes
- 1 38 x 1.2 mm (18G) needle for drug aspiration
- 1 15 x 0.5 mm (25G) needle for skinwheel
- 1 38 x 0.8 mm (21G) needle for local anaesthesia
- 1 90 x 1.2 mm (18G) needle for exploratory puncture*
- 2 suture needles
- 1 scalpel
- 1 dual suction valve
- 1 plastic bag with connector for collecting the drained liquid
- 1 coil of adhesive bandage, 75 mm wide
- 1 pair of gloves.
- * 38 mm x 0.9 mm (20G) for codes 639.08 and 639.14.



Code 639



SURGICAL SUCTION AND WOUND DRAINAGE

5574 Cannula for surgical suction, Yankauer type 25/150

Cannula with suction thumb control. Double wrapped.
Fr 12 – 18 – 21: Length 25 cm.

5575 Cannula for surgical suction, Yankauer type 25/150

Double wrapped.
Fr 12 – 18 – 21: Length 25 cm.

650 Continuous suction drain, Redon technique 25/225

Transparent PVC drain with XRO line perforated length 7 cm.
Marking at 12 cm from the distal tip.
Fr 06 – 08 – 10 – 12 – 14 – 16 – 18: Length 50 cm

651 Continuous suction drain, Redon technique 25/225

Transparent PVC drain with XRO line perforated length 14 cm.
Marking at 19 cm from the distal tip.
Fr 08 – 10 – 12 – 14 – 16 – 18: Length 50 cm

658 Alene needle

Code	For introducing	Length mm	Box/case
658.06	650.06	120	20/240
658.08	650/651.08	140	20/240
658.10	650/651.10	175	20/360
658.12	650/651.12	175	20/360
658.14	650/651.14	190	25/200
658.16	650/651.16	210	25/200
658.18	650/651.18	210	25/200

659 Connecting tube for Redon bottle 20/120

Length 125 cm. PVC tube.
Code 659.10 for 2 Redon drains 10 or 12 Fr
Code 659.14 for 1 Redon drain 14 Fr
Code 659.16 for 1 Redon drain 16 Fr
Code 659.18 for 1 Redon drain 18 Fr.



SURGICAL SUCTION AND WOUND DRAINAGE

620 Red-O-Pack

Suction unit for surgical drainage under vacuum (PE – PVC)

Code 620.05: Single graduated container for aspiration of 450 ml fluid. To be used with code 660 connecting tube.

Quantity box/case: 10

Code 620.10: Quantity box/case: 1/8. Complete unit consisting of:

1 Red-O-Pack (code 620.05)

1 connecting tube (code 660.12)

2 suction drains (code 650.10)

1 Alene needle (code 658.10)

This unit can also be supplied with drains in size: 12 – 14 – 16 – 18 Fr.

Code 620.12: 2 Redon drains code 650.12. Quantity box/case: 1/8

Code 620.14: 1 Redon drain code 650.14. Quantity box/case: 1/8

Code 620.16: 1 Redon drain code 650.16. Quantity box/case: 1/8

Code 620.18: 1 Redon drain code 650.18. Quantity box/case: 1/8

621 Mini Red-O-Pack 1/48

Suction unit for surgical drainage under vacuum

For the drainage of small volumes after surgery (120 ml).

Code 621.06: equipped with a 6 Fr Redon suction drain and Alene needle

Code 621.08: equipped with a 8 Fr Redon suction drain and Alene needle



Mini Red-O-Pack

624 Micro Red-O-Pack

Suction unit for surgical drainage under vacuum

For the drainage of small volumes after surgery.

Code 624.26: 20 ml container 6 Fr drain and Alene needle. Quantity box/case: 20/160

Code 624.58: 50 ml container 8 Fr drain and Alene needle. Quantity box/case: 10/80



Micro Red-O-Pack

660 Connecting tube for Red-O-Pack container 15/90

Length 125 cm. For use with container 620.05. PVC tube.

Code 660.12 for two 10 or 12 Fr Redon drains

Code 660.14 for one 14 Fr Redon drain

Code 660.16 for one 16 Fr Redon drain

Code 660.18 for one 18 Fr Redon drain.



SURGICAL SUCTION AND WOUND DRAINAGE

623 Vydrain 200 Luer-lock

Pre-vacuumed bottle for post-operative drainage.
Capacity: 200 ml – Initial vacuum: 900 mbar – Shock-resistant. Luer-lock connection and vacuum indicator.
Code 623.230: Plain bottle, without connecting tube.
Code 623.231: Drainage bottle and connecting tube (length 125 cm) with universal connector.

Vydrain 200



623 Vydrain 400 Luer-lock

Pre-vacuumed bottle for post-operative drainage.
Capacity: 400 ml – Initial vacuum: 900 mbar – Shock-resistant. Luer-lock connection and vacuum indicator.
Code 623.430: Plain bottle, without connecting tube.
Code 623.431: Drainage bottle and connecting tube (length 125 cm) with universal connector.

Vydrain 600

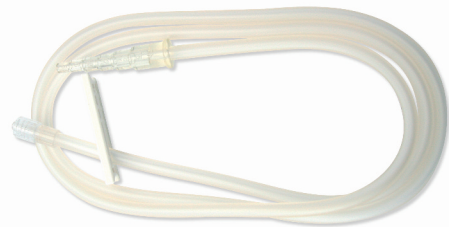


623 Vydrain 600 Luer-lock

Pre-vacuumed bottle for post-operative drainage.
Capacity: 600 ml – Initial vacuum: 900 mbar – Shock-resistant. Luer-lock connection and vacuum indicator.
Code 623.630: Plain bottle, without connecting tube.
Code 623.631: Drainage bottle and connecting tube (length 125 cm) with universal connector.

664.52 Connecting tube for Luer-lock Vydrain bottles

PVC connecting tube, length 125 cm.
With universal connector and Luer-lock connection.
Available with "Y" connector for use with 2 Redon drains under code 664.53. Quantity box: 25



Code 664.52

Vydrain is only available in some countries. Contact your Vygon representative.

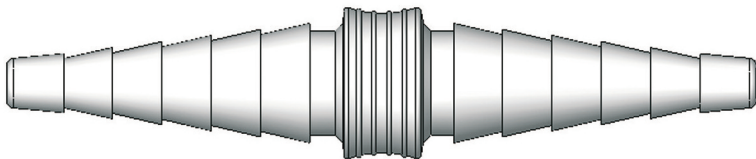


CONNECTORS

881.00 Universal straight double taper connector*

Code	Ext. Ø mm
881.00	6.5 - 15.0 / 6.5 - 15.0

* Material: ABS



Code 881.00

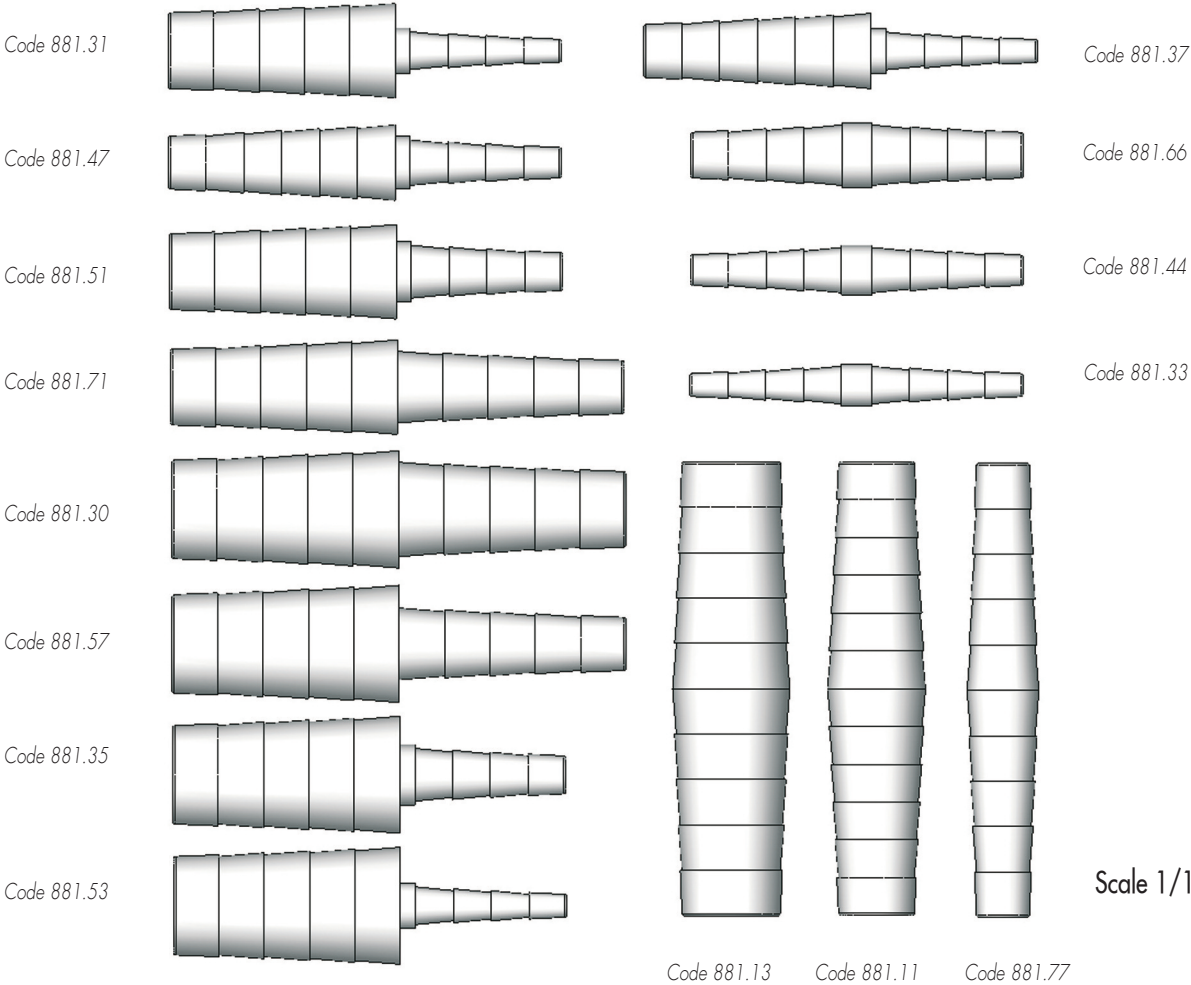
881 Straight double taper connector and adaptor (PA)

Code	Ext. Ø mm
881.33*	3.0 - 5.0 / 3.0 - 5.0
881.44*	4.0 - 6.0 / 4.0 - 6.0
881.66*	6.0 - 8.0 / 6.0 - 8.0
881.77*	7.0 - 10.0 / 7.0 - 10.0
881.11	10.0 - 13.0 / 10.0 - 13.0

Code	Ext. Ø mm
881.13	13.0 - 15.0 / 13.0 - 15.0
881.37*	3.0 - 5.0 / 7.0 - 10.0
881.31	3.0 - 5.0 / 10.0 - 13.0
881.47*	4.0 - 7.0 / 7.0 - 10.0
881.51	5.0 - 7.0 / 10.0 - 13.0

Code	Ext. Ø mm
881.71	7.0 - 10.0 / 10.0 - 13.0
881.30	13.0 - 15.0 / 10.0 - 13.0
881.57	13.0 - 15.0 / 7.0 - 10.0
881.35	13.0 - 15.0 / 5.0 - 7.0
881.53	13.0 - 15.0 / 3.0 - 7.0

* Quantity box/case : 30/2880



Scale 1/1

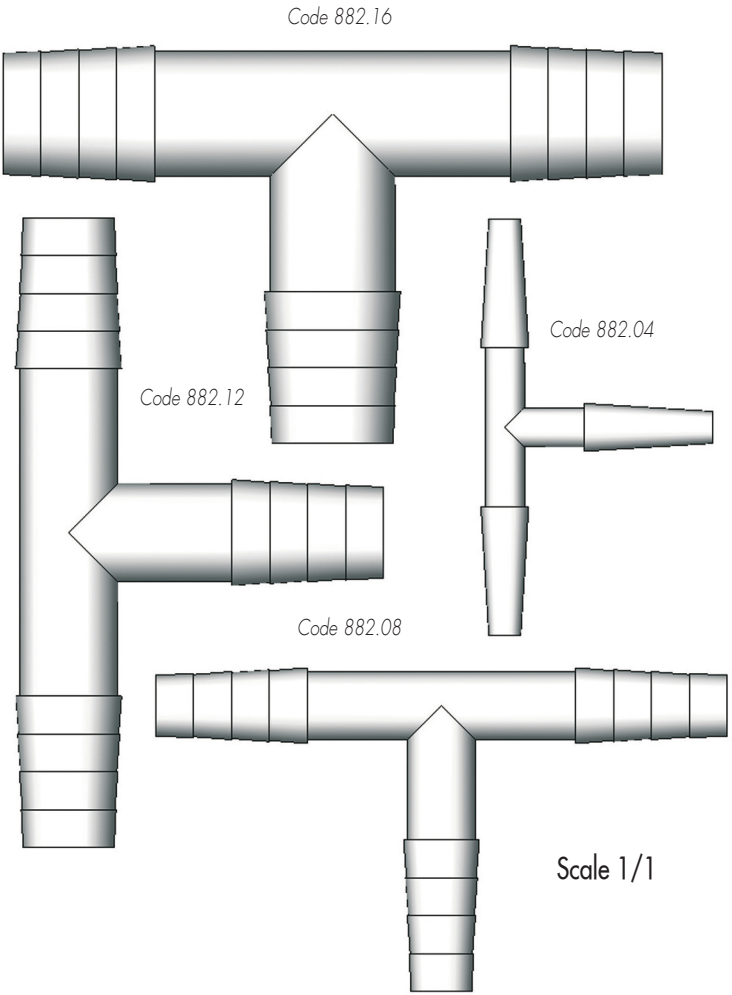
Code 881.13 Code 881.11 Code 881.77



CONNECTORS

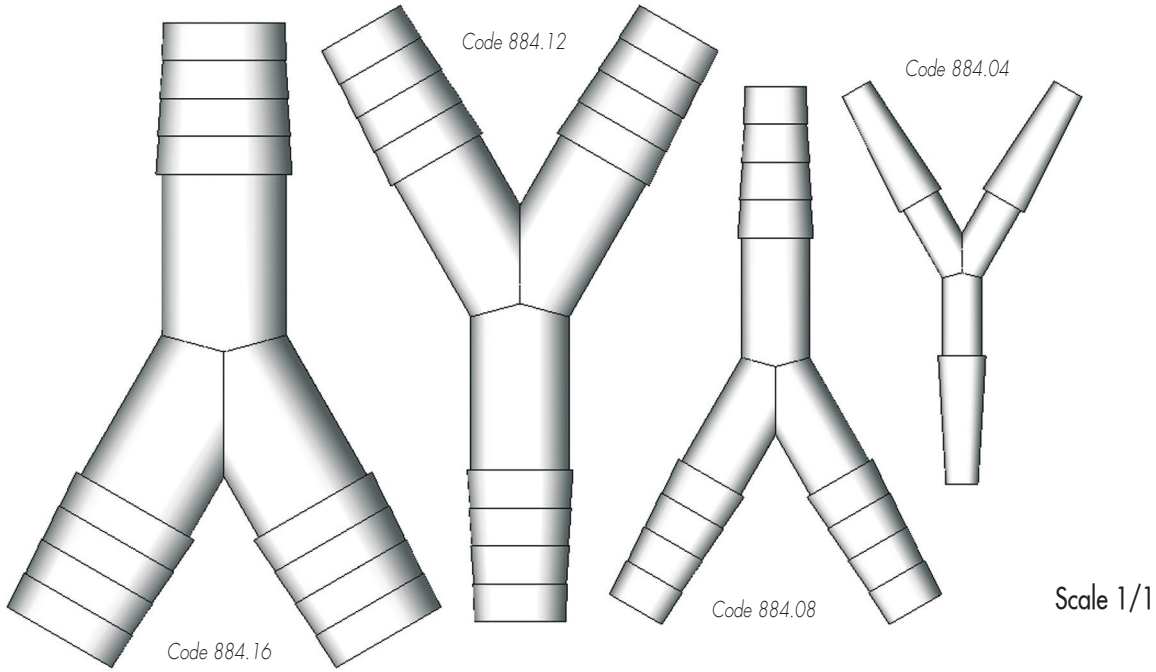
882 "T" connector (PA)

Code	Ext. Ø mm	Box/case
882.04	4 - 6	30/1440
882.08	8 - 10	30/720
882.12	12 - 14	30/720
882.16	16 - 18	30/360



884 "Y" connector (PA)

Code	Ext. Ø mm	Box/case
884.04	4 - 6	30/1440
884.08	8 - 10	30/720
884.12	12 - 14	30/720
884.16	16 - 18	30/360



NOTES

