

**REF 0882**



# Pressure Safe™ | Comfort Soft Plus®

## Neonatal Cannula

High Flow neonatal cannula with pressure limiting Pop-Off Valve. For liter flows up to 10 LPM.

## Instructions for Use:

Intended use is for delivering high flow nasal oxygen therapy. Product is to be used in accordance with application prescription.

1. Select desired cannula size. **Ensure outer diameter of nasal prongs do not occlude more than half of the neonates nostril.** See Table 1.
2. Attached cannula to heated and humidified oxygen source - make appropriate connections.
3. Refer to illustration for proper assembly.
4. Prior to use, verify that there are no cannula occlusions and that the pressure Pop-Off valve is performing properly. To check Pop-Off valve, turn flow to maximum flow rate. The pressure limiting Pop-Off valve has an accuracy of  $\pm 20\%$ . Occlude the prongs and the Pop-Off valve will activate. The Pop-Off pressure at the nares position occurs at 18 cm H<sub>2</sub>O ( $\pm 20\%$ ). Connect a calibrated manometer to the pressure port on the Pop-Off valve. The monometer pressure should be within the Pop-Off pressure range shown in Pop-Off Grid. Do not use if pressure does not conform to data shown in Grid.

**⚠ ATTENTION:**

The pressure monitoring port must be securely recapped otherwise the Pop-Off valve feature may not function as intended and desired low rate may not be achieved. The tested Circuit Pop-Off valve opens when flow rates exceed 8 L/Min. The Pressure Safe Cannula is efficacious with or without the Circuit Pop-Off feature in use.

5. Apply facial securement tape (if applicable).
6. Change cannula every 5 days or sooner if soiled.



(01)00709078003059



(17)YYMMDD



(10)LLLLLL

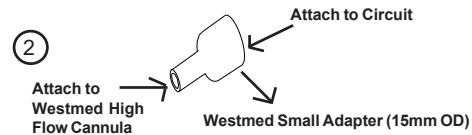


### High Flow Humidifier (15 mm OD Connector)

**SUGGESTED USE:**

1. Connect small end of Adapter to High Flow Cannula. Connect large end of Adapter to Circuit.
2. Prior to patient connection: Check that all connections are secure and confirm there is no leakage or occlusion of the system.

**⚠ WARNING:** Do not soak, rinse, wash, gas, or steam sterilize this product.

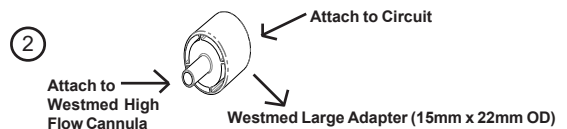


### High Flow Humidifier (22mm OD Connector)

**SUGGESTED USE:**

1. Connect small end of Adapter to High Flow Cannula. Connect large end of Adapter to Circuit.
2. Prior to patient connection: Check that all connections are secure and confirm there is not leakage or occlusion of the system.

**⚠ WARNING:** Do not soak, rinse, wash, gas, or steam sterilize this product.



### Flow Rate/Pop Off Grid

Part Number	Description	Flow Range During Pop Off	Pop Off Pressure Range
0882	Neonatal Cannula	Up to 10 LPM	14 - 21 cm H <sub>2</sub> O



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U.S. Patent No. 8,333,200, Canada Patent NO. 2,751,485, International Patents Pending



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LABEL PN 75407, Rev. 05

## Neonatal Pressure Safe

Table 1

Peak Pressure measured at Pop-off using simulated breathing with 0.115" diameter prong with 0.15" diameter nasal opening.

Simulator settings: TV=10mL, BPM=40, I:E ratio=1:3

Flow Rate LPM	Pressure cmH <sub>2</sub> O
2	2.10
3	3.96
4	5.22
5	7.07
6	9.23
7	11.32
8	13.21
9	15.92
10	17.77

Table 2

Pressure measured at simulated nose with 0.115" diameter prong with 0.150" diameter nasal opening and represents airway pressure.

Simulator settings: TV=10mL, BPM=40, I:E ratio=1:3

Flow Rate LPM	Pressure cmH <sub>2</sub> O
2	0.36
3	0.68
4	1.16
5	1.70
6	2.47
7	3.06
8	3.91
9	4.55
10	5.65

Size	Prong I.D.	Prong O.D.	Septal Space	Prong Length
Neonate (0882)	0.075"	0.115"	0.140"	0.348" ± 0.027"