




IQNet Registrations No. IT-2825 - Certificate No. 312/96/S

	BREW				N°003/15																																																																														
	DELIVERY HOSE FOR LIQUID FOOD PRODUCTS (WINE, FRUIT JUICE, SOFT DRINKS)				rev.0																																																																														
<p>Hose to be manufactured on stainless steel mandrels using lining rubber compound in compliance with: Requirements of FDA -CFR 21-Parts 170 to 199- Item 177.2600 (e) for aqueous foods-CERISIE R.P. n°612-E/2011 Requirements of the recommendation XXI Category 2 of BfR-CERISIE R.P. n°263-Bbis/2010 Regulation (EC) n°1935/2004 and Requirements of D.M. 21.03.73 and subsequent amendments - CERISIE R.P. n°612-Cbis/2011.</p> <p>TUBE: white, smooth, EPDM compound food quality, odourless and taste-free .</p> <p>REINFORCEMENT: high strenght synthetic plies.</p> <p>COVER: red, smooth, cloth impression EPDM rubber, resistant to abrasion, ozone and weather.</p> <p>WORKING TEMPERATURE: -40°C +120°C (-40°F +248°F) sterilization at 110°C for max 30 min.</p> <p>TOLERANCES: Inside and outside diameters according to ISO 1307-92. Lenght tolerance: ± 1%.</p> <p style="text-align: center;">INSPECTION TESTING</p> <ol style="list-style-type: none"> Internal and external diameter check: measured values shall meet the tolerances of ISO 1307-92. Visual examination: hose shall be free from defects or surface imperfections. <p style="text-align: center;">QUALIFICATION TESTING</p> <ol style="list-style-type: none"> I.D., O.D. , WEIGHT, W.P., B.P., Bending Radius according to TABLE A <p style="text-align: center;">TABLE A</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>ID (mm)</th> <th>OD (mm)</th> <th>WEIGHT (Kg/m)</th> <th>WP (bar)</th> <th>BP (bar)</th> <th>Min Bend Radius (mm)</th> </tr> </thead> <tbody> <tr><td>13</td><td>23</td><td>0,31</td><td>10</td><td>30</td><td>70</td></tr> <tr><td>19</td><td>29</td><td>0,45</td><td>10</td><td>30</td><td>95</td></tr> <tr><td>25</td><td>35</td><td>0,59</td><td>10</td><td>30</td><td>140</td></tr> <tr><td>30</td><td>41</td><td>0,80</td><td>10</td><td>30</td><td>160</td></tr> <tr><td>32</td><td>43</td><td>0,90</td><td>10</td><td>30</td><td>170</td></tr> <tr><td>38</td><td>51</td><td>1,20</td><td>10</td><td>30</td><td>200</td></tr> <tr><td>40</td><td>54</td><td>1,40</td><td>10</td><td>30</td><td>220</td></tr> <tr><td>51</td><td>65</td><td>1,90</td><td>10</td><td>30</td><td>250</td></tr> <tr><td>63,5</td><td>81,5</td><td>2,95</td><td>10</td><td>30</td><td>340</td></tr> <tr><td>65</td><td>87</td><td>3,65</td><td>10</td><td>30</td><td>360</td></tr> <tr><td>76</td><td>101</td><td>4,65</td><td>10</td><td>30</td><td>410</td></tr> <tr><td>102</td><td>132</td><td>6,20</td><td>10</td><td>30</td><td>600</td></tr> </tbody> </table> <ol style="list-style-type: none"> Change in lenght at 1,5 x W.P. = 0% up to +10% (ISO 1402) B.P. ≥ 3 x W.P. (ISO 1402) Cover abrasion ≤ 350 mmc (DIN 53516-ISO 4649) Cover ozone resistance = 50 pphm, 20%, 40°C, 72 h (ISO 1431-1) Tube and cover adhesion ≥ 1,8 N/mm (ISO 8033) Tube and cover tensile strenght ≥ 6 Mpa (ISO 37) Tube and cover elongation ≥ 350% (ISO 37) Flexibility (ISO 10619-1 metodo B) 						ID (mm)	OD (mm)	WEIGHT (Kg/m)	WP (bar)	BP (bar)	Min Bend Radius (mm)	13	23	0,31	10	30	70	19	29	0,45	10	30	95	25	35	0,59	10	30	140	30	41	0,80	10	30	160	32	43	0,90	10	30	170	38	51	1,20	10	30	200	40	54	1,40	10	30	220	51	65	1,90	10	30	250	63,5	81,5	2,95	10	30	340	65	87	3,65	10	30	360	76	101	4,65	10	30	410	102	132	6,20	10	30	600
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Issue date:	17/12/2015	Revision date:		Signature:	Chiara Bondino																																																																														