

**PRESSIONI E FLUSSI IN COLONNA CONSIGLIATI**

(Validi alle condizioni di inizio analisi riportate nel riquadro sotto \*)

**ELIO**  
**Gas di Trasporto**

L \ d.i.	50 µm	100 µm	0.18 mm	0.25 mm	0.32 mm	0.53 mm
5 m	500 – 760 kPa 72.2 – 110 psi 5 – 7.6 bar 0.15 – 0.3 ml/min	115 – 170 kPa 16.1 – 24.5 psi 1.15 – 1.7 bar 0.25 – 0.4 ml/min				
10 m		258 – 339 kPa 37.3 – 49.1 psi 2.6 – 3.4 bar 0.35 – 0.6 ml/min	52 – 85 kPa 7.6 – 12.3 psi 0.52 – 0.85 bar 0.5 – 0.9 ml/min	27 – 43 kPa 3.9 – 6.2 psi 0.27 – 0.43 bar 0.8 – 1.4 ml/min	16 – 26 kPa 2.4 – 3.8 psi 0.16 – 0.26 bar 1.2 – 2 ml/min	6 – 9.5 kPa 0.9 – 1.4 psi 0.07 – 0.1 bar 3.1 – 5.1 ml/min
15 m			80 – 130 kPa 11.5 – 18.8 psi 0.8 – 1.3 bar 0.5 – 1 ml/min	40 – 65 kPa 5.8 – 9.4 psi 0.4 – 0.65 bar 0.8 – 1.5 ml/min	24.5 – 40 kPa 3.6 – 5.7 psi 0.25 – 0.4 bar 1.3 – 2.1 ml/min	9 – 14.5 kPa 1.3 – 2.1 psi 0.09 – 0.14 bar 3.2 – 5.2 ml/min
25 m			135 – 225 kPa 19.6 – 32.5 psi 1.35 – 2.25 bar 0.6 – 1.3 ml/min	68 – 110 kPa 9.8 – 16.1 psi 0.68 – 1.1 bar 0.9 – 1.8 ml/min	41 – 66 kPa 5.9 – 9.6 psi 0.4 – 2.4 bar 1.3 – 2.4 ml/min	15 – 23.8 kPa 2.1 – 3.5 psi 0.15 – 0.24 bar 3.3 – 5.5 ml/min
30 m				82 – 135 kPa 11.9 – 19.5 psi 0.82 – 1.35 bar 1 – 1.9 ml/min	50 – 80 kPa 7.2 – 11.6 psi 0.5 – 0.8 bar 1.4 – 2.6 ml/min	18 – 28.5 kPa 2.6 – 4.1 psi 0.18 – 0.28 bar 3.3 – 5.6 ml/min
50 m					83 – 138 kPa 12.1 – 19.9 psi 0.83 – 1.38 bar 1.6 – 3.2 ml/min	30 – 48 kPa 4.3 – 7 psi 0.3 – 0.48 bar 3.5 – 6 ml/min
60 m						35 – 58 kPa 5 – 8.5 psi 0.35 – 0.58 bar 3.7 – 6.5 ml/min
	<b>FAST – GC</b>		<b>GC – TRADIZIONALE</b>			<b>WIDE BORE</b>

\* Elio: 25 – 40 cm/s  
Elio: 32 – 45 cm/s FAST-GC  
T = 50°C  
P out = 1 atm

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**IDROGENO**  
**Gas di Trasporto**

L \ d.i.	50 µm	100 µm	0.18 mm	0.25 mm	0.32 mm	0.53 mm
5 m	300 – 630 kPa 43 – 91 psi 3 – 6.3 bar 0.15 – 0.4 ml/min	68 – 140 kPa 9.9 – 20.2 psi 0.68 – 1.4 bar 0.25 – 0.6 ml/min				
10 m		140 – 296 kPa 20.2 – 43 psi 1.4 – 2.95 bar 0.3 – 0.9 ml/min	41.5 – 84 kPa 6 – 12.2 psi 0.41 – 0.84 bar 0.7 – 1.6 ml/min	21.5 – 43 kPa 3.1 – 6.2 psi 0.21 – 0.43 bar 1.2 – 2.6 ml/min	13 – 26 kPa 1.9 – 3.8 psi 0.13 – 0.26 bar 1.9 – 4 ml/min	5 – 9.6 kPa 0.7 – 1.4 psi 0.05 – 0.1 bar 5 – 10.5 ml/min
15 m			62.5 – 129 kPa 9 – 18.7 psi 0.62 – 1.29 bar 0.8 – 1.9 ml/min	32 – 65 kPa 4.6 – 9.4 psi 0.32 – 0.65 bar 1.3 – 2.9 ml/min	19.4 – 39 kPa 2.8 – 5.7 psi 0.19 – 0.39 bar 2 – 4.3 ml/min	7.1 – 14.1 kPa 1 – 2 psi 0.07 – 0.14 bar 5.1 – 10.5 ml/min
25 m			106 – 225 kPa 15.3 – 32.3 psi 1.05 – 2.25 bar 0.9 – 2.6 ml/min	54 – 110 kPa 7.8 – 16 psi 0.54 – 1.1 bar 1.4 – 3.5 ml/min	32.5 – 65 kPa 4.7 – 9.5 psi 0.32 – 0.65 bar 2.1 – 4.8 ml/min	11.8 – 23.4 kPa 1.7 – 3.4 psi 0.11 – 0.23 bar 5.2 – 11 ml/min
30 m				65 – 134 kPa 9.4 – 19.4 psi 0.65 – 1.34 bar 1.5 – 4.0 ml/min	40 – 79 kPa 5.7 – 11.5 psi 0.4 – 0.79 bar 2.1 – 5 ml/min	14.1 – 28.3 kPa 2 – 4.1 psi 0.14 – 0.28 bar 5.4 – 11.2 ml/min
50 m					66 – 136 kPa 9.5 – 19.7 psi 0.66 – 1.36 bar 2.4 – 6.2 ml/min	24 – 47 kPa 3.4 – 6.9 psi 0.24 – 0.47 bar 5.5 – 12.3 ml/min
60 m						28 – 57 kPa 4.1 – 8.3 psi 0.28 – 0.57 bar 5.6 – 12.5 ml/min
	<b>FAST – GC</b>		<b>GC – TRADIZIONALE</b>			<b>WIDE BORE</b>

\* Idrogeno: 40 – 80 cm/s

T = 50°C  
P out = 1 atm