



## Filling pressure for cold cathode discharge lamps.

Recommended filling pressure for cold cathode lamps

| Tube diameter | Argon Mercury |      | Pure Neon |      |
|---------------|---------------|------|-----------|------|
|               | mm            | torr | mbar      | torr |
| 8             | 16            | 22   | 23        | 31   |
| 9             | 14            | 19   | 20        | 27   |
| 10            | 12            | 16   | 17        | 23   |
| 11            | 11            | 15   | 16        | 22   |
| 12            | 10            | 14   | 15        | 20   |
| 13            | 9             | 12   | 14        | 19   |
| 15            | 8             | 11   | 12        | 16   |
| 18            | 7             | 10   | 9         | 12   |
| 20            | 6             | 8    | 8         | 11   |
| 22            | 6             | 8    | 8         | 11   |
| 25            | 5             | 7    | 7         | 10   |

Pressure for shorter tubes

| Diametro | Tratto |     | Gas             |                 |
|----------|--------|-----|-----------------|-----------------|
|          | da     | a   | Hg <sup>1</sup> | Ne <sup>2</sup> |
| mm       | cm     | cm  | mbar            | mbar            |
| 10       | 25     | 40  | 27              | 33              |
|          | 41     | 60  | 20              | 25              |
|          | 61     | 120 | 16              | 20              |
|          | >      | 120 | 13              | 16              |
| 12       | 25     | 40  | 25              | 32              |
|          | 41     | 60  | 19              | 24              |
|          | 61     | 120 | 15              | 19              |
|          | >      | 120 | 12              | 15              |
| 15       | 25     | 40  | 23              | 29              |
|          | 41     | 60  | 17              | 22              |
|          | 61     | 120 | 13              | 17              |
|          | >      | 120 | 9               | 13              |
| 18       | 25     | 40  | 21              | 28              |
|          | 41     | 60  | 16              | 21              |
|          | 61     | 120 | 12              | 16              |
|          | >      | 120 | 8               | 11              |
| 20       | 25     | 40  | 20              | 27              |

|      |    |     |    |    |
|------|----|-----|----|----|
|      | 41 | 60  | 15 | 20 |
|      | 61 | 120 | 11 | 15 |
|      | >  | 120 | 8  | 11 |
| > 22 | 25 | 40  | 19 | 26 |
|      | 41 | 60  | 14 | 19 |
|      | 61 | 120 | 10 | 14 |
|      | >  | 120 | 7  | 10 |

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<sup>1</sup> "Hg" relates to any gas mixture added with mercury vapours.

<sup>2</sup> "Ne" means pure Neon