

## BLUE DESIGN

The new generation of the blue in **TESEO** is the result of the modification and the improvement of all the TESEO systems.

Our continuous R & D into **Energy Saving** together with a high regard for the **Design** ruled our technical choices. We studied the internal passages and the thicknesses to increase the flow rates through our tubing.

**Double seats for the O-rings** and high quality NBR **Blue O-Rings**, manufactured for Teseo, are applied to all the connections for high quality sealing.

**Ergonomics** of the complete system has been improved thanks to optimization of the shapes and weights. Precision manufacturing carried out on many components improves the outer finishing and removes the die-casting defects.

**Outlet plates** have been re-designed with new moulds, to improve quality and accuracy.

The blocking parts have been analyzed and improved.

**The implementation** of accessories and components is continuous.

Teseo are sourcing **New certifications** and international compatibility.



Indicative diagram for the choice of the HBS diameter according to compressor installed max power.

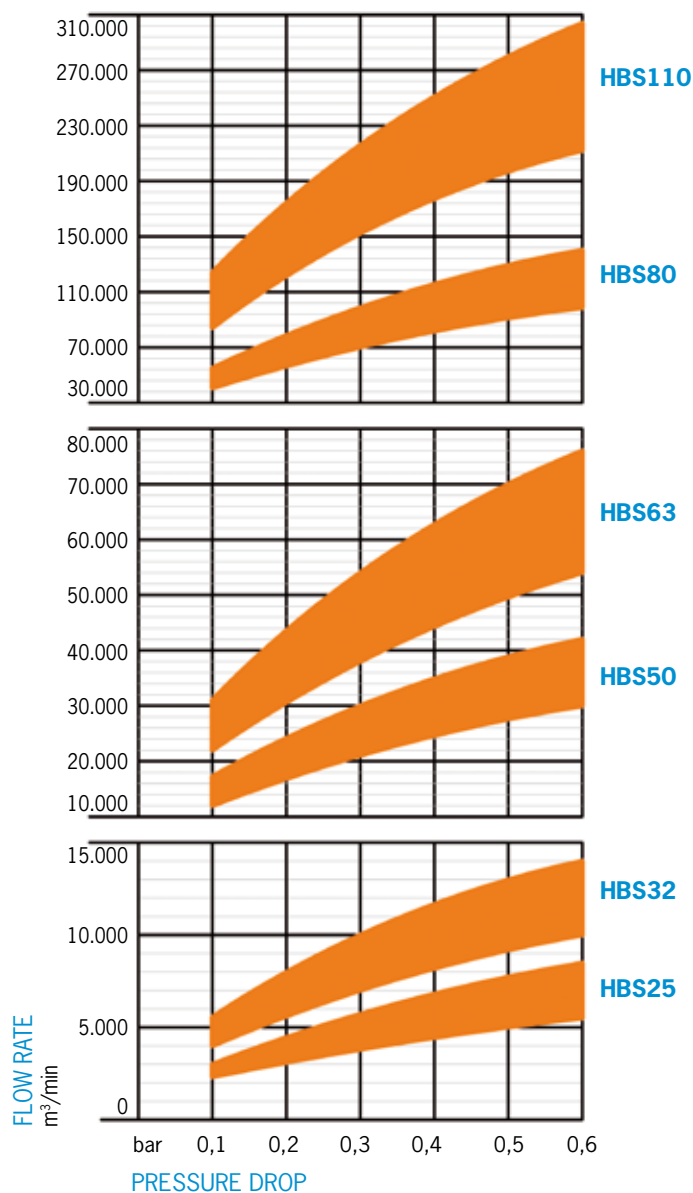
Compressor power kW	HBS	Indicative flow rate (L 30 m - 6 bar - $\Delta p$ 3%) NI/min
19	25	2.900
36	32	5.400
110	50	16.400
195	63	29.200
350	80	53.000
785	110	117.500

Dipartimento  
di Meccanica  
Politecnico di Torino



Indicative diagrams of compressed air flow rates and related pressure drops in a line 30 m long (20°C - 1013 mbar).

The data used has been provided by the UNIVERSITY OF TURIN. See online software (page 9)



AIR PRESSURE: 6 → 12 bar  
0,6 → 1,2 MPa  
87 → 174 psi