

## 6.11. INSTALLATION FOR CASTING LEAD GRANULES OF INCREASED PERFORMANCE

The installation is intended for the casting of lead granules and lead alloys that can be used for the production of hunting and sports fractions, chemical reagents, composite flux-containing additives, as well as fillers for protective screens from radiation. The installation carries out the melting of metal, formation and electromagnetic crushing of the melt streams to obtain liquid spherical particles of equal size and their subsequent crystallization in water.



*Installation with power supply*

Number of streams subjected to crushing, - from one to three. The feeder is powered from an adjustable frequency converter, which allows to crush metal streams and obtain spherical particles of a monodisperse composition of different diameters in the frequency range from 100 to 400 Hz.

### *Main technical specifications:*

Installation productivity, kg / h	200...300
Diameter of granules, mm	2...4,5
Supply voltage of the installation, V	3 × 380
Maximum power, kW	10
Specific electric energy consumption, kW·h/t	70
Gas (nitrogen) consumption, m <sup>3</sup> /h	0,05-0,15
Water (reversible) consumption, m <sup>3</sup> /h	up to 6