

PUMP SET KTX 80 P2V

Use and description:

Pump set **KTX 80 P2V** (hereinafter only set) is used for piping transport of high- density slurries composed from water and powder or small grain materials (e.g. gypsum, flay-ash and cement, etc.) suitable for pumping into spaces (e.g. large volume bags, during the construction of dams and other protective constructions etc).

The principal part of the set is a frame, into which one or two stage screw pump with mixing chamber and feeding funnel and the pneumatic gear motor with coaxial spur gear box are mounted. The pump driving is using the pneumatic gear motor with self- feeding source of compressed air with necessary characteristics.



KTX 80 P2V

Characteristics:

Type		KTX 80 P2V
Nominal capacity	m ³ .h ⁻¹	12
Max. output pressure of the mixture	MPa	1.2
Max. grain in mixture	mm	5
Set drive		pneumatic motor
Motor nominal output	kW	7.5
Required air pressure	MPa	0.4 – 0.6
Air filtration	µm	30
Set rpm control range during operation	1.min ⁻¹	250 - 392
Volume of the feeding funnel	dm ³	73
Output DN	mm	80
Pump output		fire fighting hose connection B 75
Dimensions (l x w x h)	mm	2 750x650x1 195
Weight incl. accessories	kg	418.0

Type marking: **KTX 80 P2V**
 KTX type marking
 80 pump input and output diameter
 P2 version with gear-box
 V pneumatic drive

The product has been designed and constructed as the equipment group I (mine), category M2 and equipment group II (mine surface installations), category 2 according to the Directive 94/9/EC of the European Parliament and of the Council and meets the requirements for using in areas “dangerous atmospheric conditions 2” according to EN 1127-2+A1 and “zone 1” according to EN 1127-1 on condition that all national regulations of the employer are fulfilled.