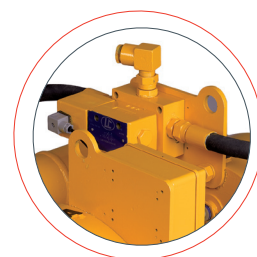


APN-SIX VERSATILE PUMPING SYSTEM

Pumping is essential within a filtration system for ensuring a perfect solid/liquid separation and effective performance. TH Minerals uses **an APN-SIX piston-membrane slurry pump** specially designed for abrasive environments and high-pressure operations; its structural design and operating mechanism are an assurance of the utmost strength and reliability.

APN-SIX pumps are used for effective pumping in all kinds of applications, including pumping with no subsequent treatment. The pump's construction and design mean that all nature of sludges can be processed, especially those with a high percentage of solids.



Hydraulic drive

High volume at low pressure – Filling

Low volume at high pressure – Filtration

Positive displacement with no damage to flocculation

Easy access – Minimum wear – Minimum energy

The specific arrangement of the APN-SIX versatile pumping system, involving a specially designed hydraulic circuit, ensures accurate tweaking of the press filter and pump assembly. The automatic

adjustment of the pressure and flow in the sludge circuit leads to optimum filtration conditions when operating with a filter press, as these automatically adapt to each specific filtration process.

TECHNICAL DATA

MODEL	SIX 2C	SIX 6CS	SIX 10C	SIX 20C	SIX 40C
Weight (Kg)	180	605	1,500	3,320	7,800
Working pressure (bar)	up to 16	up to 10	up to 16	up to 12	up to 16
Dimensions (length x width x height) (mm)	740 x 550 x 540	1,055 x 1,115 x 700	1,650 x 1,175 x 900	1,860 x 1,695 x 1,060	2,770 x 2,200 x 1,355
Rated flow (m ³ /h)	4	20	40	80	250
Oil flow (l/m)	10	35	70	90	240
Oil pressure at 10 bars (bar)	100	140	150	200	210

The data and performance figures featured in this catalogue are considered to be under Standard operating conditions, and need to be studied in each specific case.
The Company reserves the right to partially or fully modify the specifications and designs of the featured equipment.