

TECHNICAL CHARACTERISTICS OF TRACTION ELEMENTS OF «HEAVY HORSE» BATTERIES

TYPE OF ELEMENT	DESIGNATION IN DIN AH	FIVE-HOUR CAPACITY A/h	OVERALL DIMENSIONS, mm			MASS, kg	
			WIDTH(a)	LENGTH(b)	HEIGHT(h)	Without Electrolyte	With Electrolyte
3P55	3PzS165	165	63	196	340	9,5	11,5
4P55	4PzS220	220	81			12,0	14,5
5P55	5PzS275	275	99			15,0	18,0
6P55	6PzS330	330	118	197		17,0	21,0
7P55	7PzS385	385	136			20,5	25,0
8P55	8PzS440	440	155	198		23,5	28,5
9P55	9PzS496	496	173		26,0	32,5	
10P55	10PzS550	550	191		30,5	38,5	
3P70	3PzS210	210	63		196	400	11,5
4P70	4PzS280	280	81	15,0			18,0
5P70	5PzS350	350	99	18,0			22,0
6P70	6PzS420	420	118	197	21,5		26,0
7P70	7PzS490	490	136		25,0		30,5
8P70	8PzS560	560	155	198	28,5		35,0
9P70	9PzS630	630	173		31,0	40,5	
10P70	10PzS700	700	191		33,5	44,5	
3P80	3PzS240	240	63		196	475	14,0
4P80	4PzS320	320	81	18,0			22,0
5P80	5PzS400	400	99	21,5			26,0
6P80	6PzS480	480	118	197	25,5		30,5
7P80	7PzS560	560	136		30,0		36,0
8P80	8PzS640	640	155	198	34,0		40,5
9P80	9PzS720	720	173		38,0	45,5	
10P80	10PzS800	800	191		41,5	50,0	
3P100	3PzS300	300	63		196	560	16,5
4P100	4PzS400	400	81	21,5			26,5
5P100	5PzS500	500	99	25,5			31,5
6P100	6PzS600	600	118	197	30,0		37,0
7P100	7PzS700	700	136		35,5		43,5
8P100	8PzS800	800	155	198	40,5		49,5
9P100	9PzS900	900	173		45,5	56,0	
10P100	10PzS1000	1000	191		50,0	62,0	
3P120	3PzS360	360	63		196	695	20,0
4P120	4PzS480	480	81	25,5			33,0
5P120	5PzS600	600	99	31,5			40,5
6P120	6PzS720	720	118	197	37,0		47,5
7P120	7PzS840	840	136		43,5		55,5
8P120	8PzS960	960	155	198	49,0		63,0
9P120	9PzS1080	1080	173		54,5	69,0	
10P120	10PzS1200	1200	191		60,5	77,0	

CONSTRUCTION

Battery consists of accumulators, interconnected with compartments, placed in special metal plastic coated case, equipped with openings on the walls for traction and drainage openings on the bottom.

Accumulator battery consists of blocks of positive electrodes in the form of pipe lined boards (PzS) and blocks of negative electrodes in the form of grid boards. Separators are positioned between the electrodes. Microporous separation material is used for separators.

Electrodes of both polarities are connected by little bridges made of lead alloy and antimony with current exits. Special construction of pole exits ensures airtightness of electrolytes in accumulator batteries. Both polarities are joined by bridges made of lead alloy and antimony from the current exits.

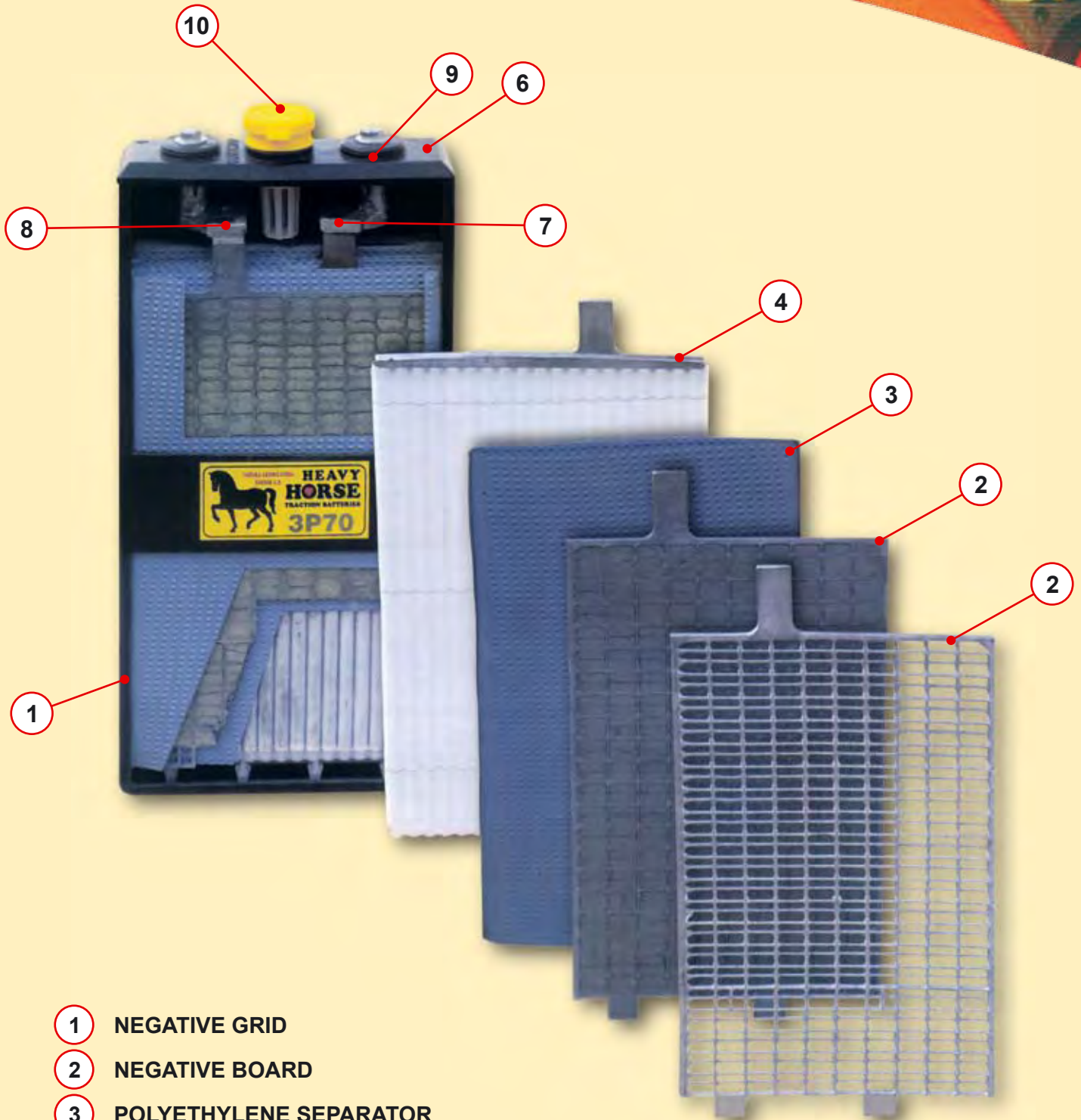
The body of accumulator battery and its cover are interconnected in an airtight way and made of polypropylene, shock and heat resistant.

Airtight polypropylene cover with the top which can be opened for topping up the accumulator battery with electrolyte, measuring density and temperature of electrolyte is placed on the cover. The cover enables free exit of gases and does not allow spilling of electrolyte from accumulator battery during exploitation, it protects against intrusion of foreign particles.

Punched protection plastic grid is placed into every accumulator battery from the top on electrode block in order to give protection against incidental intrusion of foreign particles.



**HEAVY
HORSE**
BATTERIES



- ① NEGATIVE GRID
- ② NEGATIVE BOARD
- ③ POLYETHYLENE SEPARATOR
- ④ POSITIVE BOARD
- ⑤ BODY
- ⑥ COVER
- ⑦ JUNCTURE OF POSITIVE BOARDS WITH EXIT
- ⑧ JUNCTURE OF NEGATIVE BOARDS WITH EXIT
- ⑨ SEALING OF CONNECTION WITH RUBBER
- ⑩ POLYPROPYLENE COVER