



PARKER MEDICAL, INC.

High Voltage X-Ray Imaging Components

High Voltage Switch, Junction Fittings and Extension Cables

- Medical
- Industrial
- Product Design
- CNC Machining
- Plastics Molding
- Cables & Harnesses
- Connectors
- X-Ray Tube Cooling
- X-Ray Beam Control
- Measurement Devices
- X-Ray Source Design

H850 HV Switch Tank

The PMI H850 high voltage switch tank permits multiple x-ray tube operation from a single high voltage generator and control. The switch tanks are available for two, three or four tube control. Typically the high voltage sockets are the three-pin federal standard type, however, the tanks can be outfitted with four-pin grid control sockets or other types which will accommodate special high voltage tubes and equipment. For high voltage operation above 75KV, tanks can be furnished with 160KV and 250KV sockets. PMI also manufactures the high voltage cables for connecting these units.



H850 P1 switch tank for two tubes, 220 VAC, 50/60HZ. High dielectric oil filled. 13"L x 13"W x 9"H. 45 LBS.

H528 Extension Cable

The PMI H528 extension cable series is rated to 100KV. The extension cable features a junction fitting at one end that can accommodate most 75-100KV terminal types. A high voltage cable to customer specified length terminated with appropriate plug connects to the power supply. The extension cable allows equipment staging in the factory and cable installation at the site. Another use is to distance high voltage connections from sensitive medical equipment.



H528 extension cable with mounting bracket.

HV Cable Junction Fittings

High voltage cable junction fittings serve as an intermediate splice between two HV cables having the same or different plug terminations. The shock-proof fittings are filled with insulating oil. They can be used as a high voltage termination with an appropriate "dummy" plug in the other receptacle. The junction fittings are offered with different voltage ratings, sizes, number of conductors and terminal types. PMI federal standard, extended federal standard and R24 types are most common.



H1253 HV cable junction fitting shown with PMI H453 P3-160 extended federal standard cable.

JUNCTION FITTING TYPE	KV RATING (MAX)	RECEPTACLE TYPE	DIMENSIONS			RECEPTACLE PART NUMBER	NUMBER OF CONDUCTORS	HV CABLE TYPE
			DIA	LENGTH	HEIGHT			
H1253 P1	100	FED STD	4.25	12	—	H454 P3-100	3	H453 P3-100
H1253 P2	160	EXT FED STD	6.0	16.5	—	H454 P3-160	3	H453 P3-160
H1445 P1	100	FED STD	10	—	9	H454 P3-100	3	H453 P3-100
H1445 P2	160	EXT FED STD	10	—	12	H454 P3-160	3	H454 P3-160

Note:
Add 1-1/2" for receptacle collars on both ends of H1253 junction fitting.
Add 3/4" for the receptacle collars on H1445 junction fitting.



H1445 HV cable junction fitting with PMI H453 P3-160 extended federal standard receptacles.

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