PHILIPS RECTIFIER VALVES

for Receivers, Power Amplifiers and Cathode Ray Tubes

		Type Number	Maximum Dimensions [2] mm	Base (Connection reference in brackets)	Filament data: Heating	Filament data: Voltage Volts	Filament data: Current appr. amps.	Anode data: Max. A.C. no. load voltage Volts R.M.S.	Anode data: Max. D.C. current mA
For A.C. mains receivers	Full-wave high-vacuum	EZ4	85×37	P30 (45)	indir.	6,3	0,9	2×400	175
		AZ1	110×53	P35 (44)	dir.	4,0	1,1	2×500 2×300	60 100
		1801	93×47	A35 (5)	dir.	4,0	0,5	2×250	30
		506	105×51	A35 (5)	dir.	4,0	1,0	2×300	75
		1817	160×67	A40 (5)	dir.	4,0	4,0	2×350	300
		1805	116×53	A35 (5)	dir.	4,0	1,0	2×500	60
		1561	125×51	A35 (5)	dir.	4,0	2,0	2×500 2×350	120 160
		1815	145×59	A40 (5)	dir.	4,0	2,5	2×500	180
		1831	145×59	A35 (5)	dir.	4,0	1,0	2×700	60
	Half-wave high-vacuum	1802	92×46	H32 (14)	dir.	4,0	0,4	250	30
		1803	100×52	H35 (14)	dir.	4,0	0,6	500	30
		1832	145×60	H35 (14)	dir.	4,0	1,3	700	120
For AC/DC receivers	Half-wave high-vac.	CY1	102×43	P30 (43)	indir.	20	0,200	250	80
		CY2	100×44	P30 (46)	indir.	30	0,200	1×250 2×127[1]	120 60
For car-radio receivers	Full-wave high-vac.	EZ2	85×37	P30 (45)	indir.	6,3	0,4	2×350	60
		FZ1	91×37	P30 (45)	indir.	13	0,25	2×250	50
For amplifier installations	Full-wave gas-filled	AX1	110×47	A35 (5)	dir.	4,0	2,0	2×500[3]	125
	Half-wave high-vac.	4646	145×60	W42 (55)	dir.	4,0	1,3	1000	75
For cathode ray oscillographs	Half-wave high-vac.	1875	145×50	P35 (42)	dir.	4,0	2,3	7000	5
		1876	97×52	P35 (41)	dir.	4,0	0,3	850	5
—	gasfilled	1018 [4]	—	—	dir.	1,8	1,8	16	200

[1] As voltage doubler. [2] Without pins. [3] Voltage drop in the valve = 15 V.
[4] Rectifier for charging purposes.

PHILIPS HEATING CURRENT REGULATOR TUBES

	Type Number	Maximum dimensions [6] mm	Base (Connection reference in brackets)	Voltage control range Volts	Maximum operating voltage Volts	Regulated current rating mA	Max. voltage across the tube when switching on Volts
For AC/DC valves without switching on current limiting resistance	C1	125×39	P30 (48)	80—230	200	200	250 [2]
	C2	115×39	P30 (48)	35—100	100	200	160 [2]
	C8	125×39	P30X (50)	80—230	200	200	250 [1]
	C9	115×39	P30Z (52)	35—100	100	200	160 [2]
	C10	115×39	P30Y (51)	35—100	100	200	160 [2]
	C12	142×41	P30 (49)	80—200 35—100	200 100	200	250 [1] 160 [2]
For AC/DC valves with a switching on current limiting resistance	C3	125×39	P30X (50)	100—200	200	200	250
	C4	105×39	P30Y (51)	55—105	105	200	160
	C6	125×39	P30 (48)	70—140	140	200	160
	C7	105×39	P30 (48)	35—70	70	200	110
For indir. heated D.C. valves	1926 [4]	105×33	A32 (6)	16 [5]	—	180	—
	1927	115×38	A35 (6)	35—100	—	180	—
	1928	125×38	A35 (6)	100—225	—	180	—
For dir. heated D.C. valves	1904	90×36	A32 (6)	50—70	—	100	—
	1911	90×36	A32 (6)	50—70	—	150	—
	1915	115×38	A32 (6)	50—70	—	240	—
	1920	115×38	A32 (6)	50—70	—	250	—
For indir. heated valves	1941	140×50	A35 (6)	77—200	200	300	250 [1]
	1949	95×38	A35 (6)	30—90	90	300	127 [3]
	1910	90×33	H32 (15)	4,5—14,5	—	1440	—

[1] The total heating current of the receiving valves in series with the regulator tube must be at least 52 volts.
[2] The total heating current of the receiving valves in series with the regulator tube must be at least 74 volts.
[3] The total heating current of the receiving valves in series with the regulator tube must be at least 63 volts.
[4] Resistance tube.
[5] Voltage drop in the resistance.
[6] Without pins.