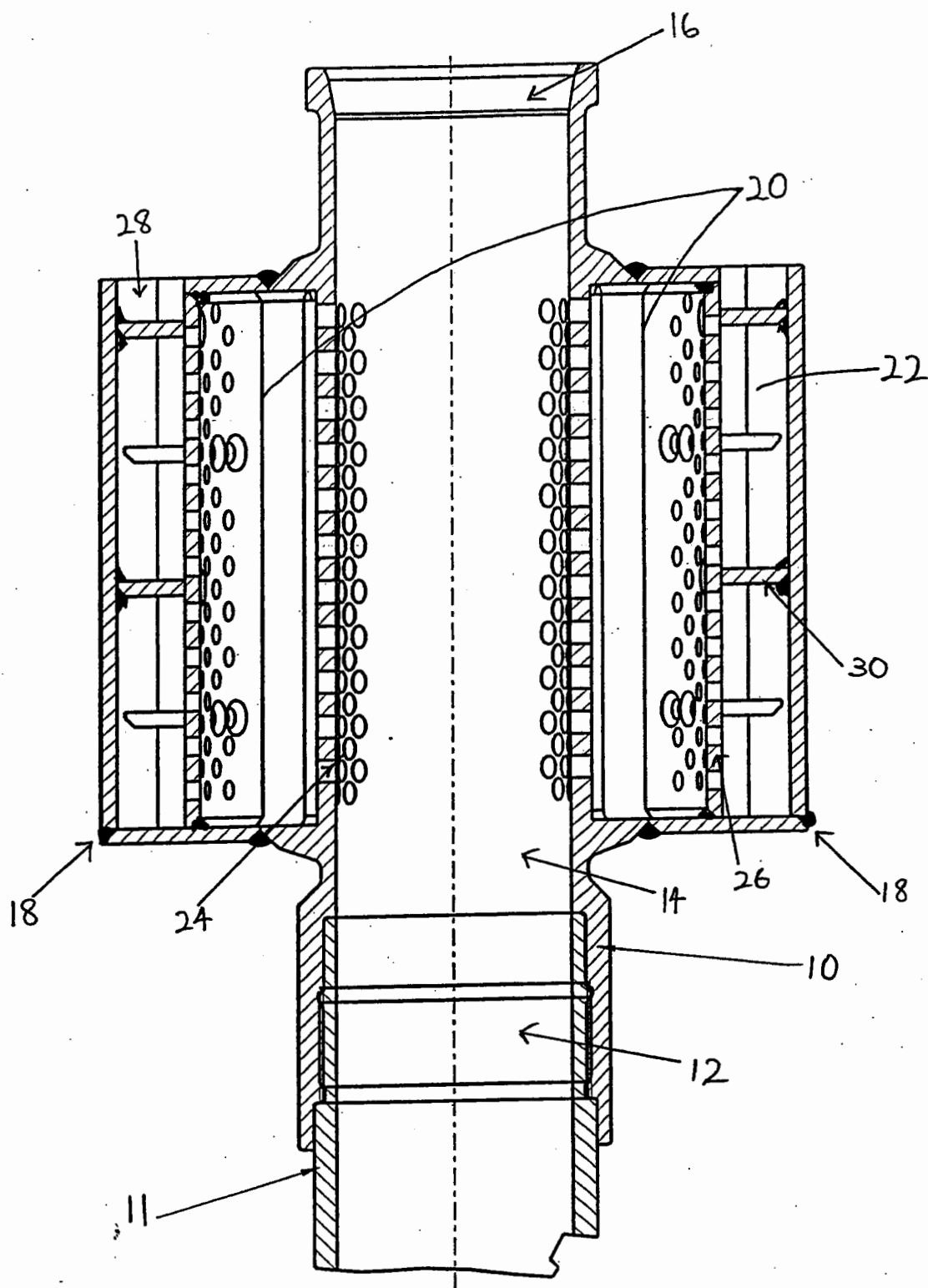


2/6

FIG. 2

3/6

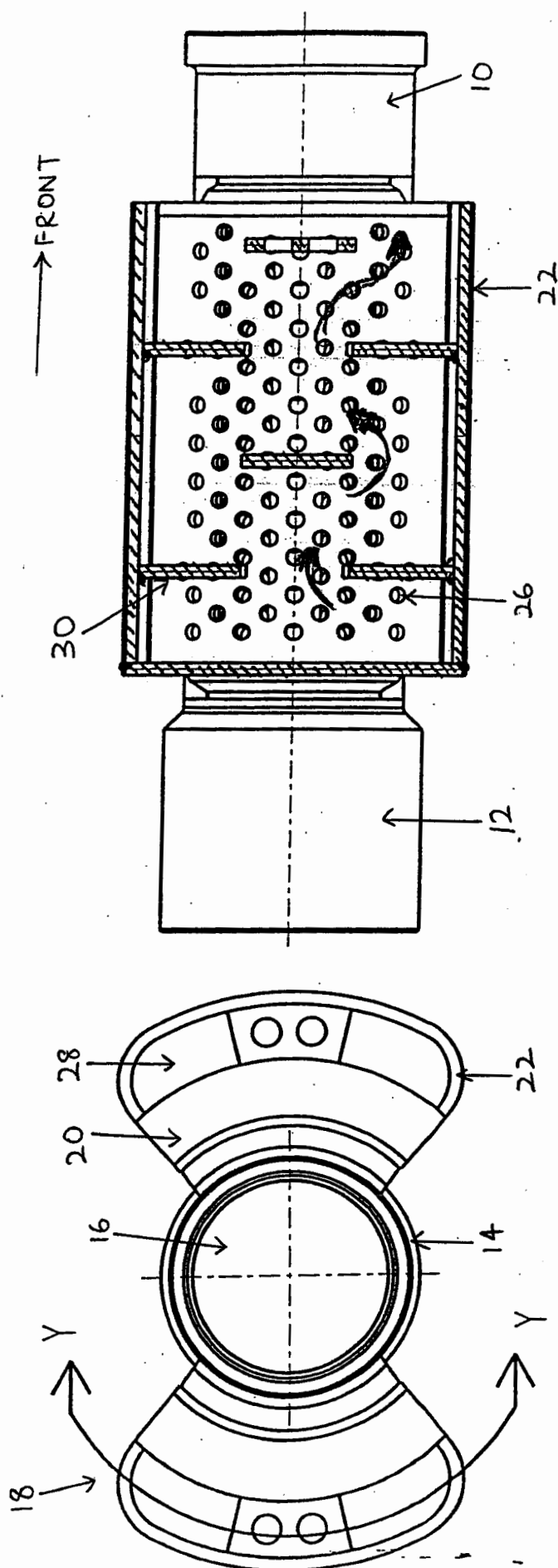


FIG. 4

FIG. 3

Table 1

Distance form Muzzle			1.0 meter			1.5 meter			2.0 meter		
Measurement			Pressure		Duration	Pressure		Duration	Pressure		Duration
			(mbar)	(dB)	(ms)	(mbar)	(dB)	(ms)	(mbar)	(dB)	(ms)
Charge 9	With	data 1	127.3	176.1	29.8	168.5	178.5	29.0	138.4	176.8	23.7
		data 2	161.4	178.1	24.3	159.7	178.0	25.0	161.2	178.1	21.8
		data 3	129.8	176.2	25.7	154.5	177.8	28.5	161.7	178.2	21.8
		Average	139.5	176.8	26.6	160.9	178.1	27.5	153.8	177.7	22.4
	Without	data 4	359.6	185.1	22.7	218.3	180.8	21.9	174.6	178.8	21.6
		data 5	365.7	185.2	22.5	244.2	181.7	21.4	217.1	180.7	17.2
		data 6	392.3	185.9	22.1	258.2	182.2	21.9	182.2	179.2	21.2
		Average	372.5	185.4	22.4	240.2	181.6	21.7	191.3	179.6	20.0
Improvement by			167%	8.6	—	49%	3.5	—	24%	1.9	—

Table 2

Distance form Muzzle			1.0 meter			1.5 meter			2.0 meter		
Measurement			Pressure		Duration	Pressure		Duration	Pressure		Duration
			(mbar)	(dB)	(ms)	(mbar)	(dB)	(ms)	(mbar)	(dB)	(ms)
Charge 8	With	data 1	113.0	175.0	26.1	145.7	177.2	22.7	143.2	177.1	22.1
		data 2	121.0	175.6	29.2	167.6	178.5	21.7	141.2	177.0	24.5
		data 3	110.0	174.8	27.6	144.9	177.2	21.3	142.2	177.0	20.9
		Average	114.7	175.2	27.6	152.7	177.6	21.9	142.2	177.0	22.5
	Without	data 4	271.1	182.6	13.5	257.3	182.2	12.2	114.7	175.2	16.4
		data 5	344.1	184.7	13.6	259.1	182.2	12.2	213.9	180.6	7.5
		data 6	362.2	185.2	12.7	271.5	182.7	12.6	132.6	176.4	19.9
		Average	325.8	184.2	13.3	262.6	182.4	12.3	153.7	177.4	14.6
Improvement by			184%	9.0	---	72%	4.7	---	8%	0.4	—

FIG. 5

Position, 1 meter from the barrel muzzle Charge 8
(Ref: MIL-STD-1474C)

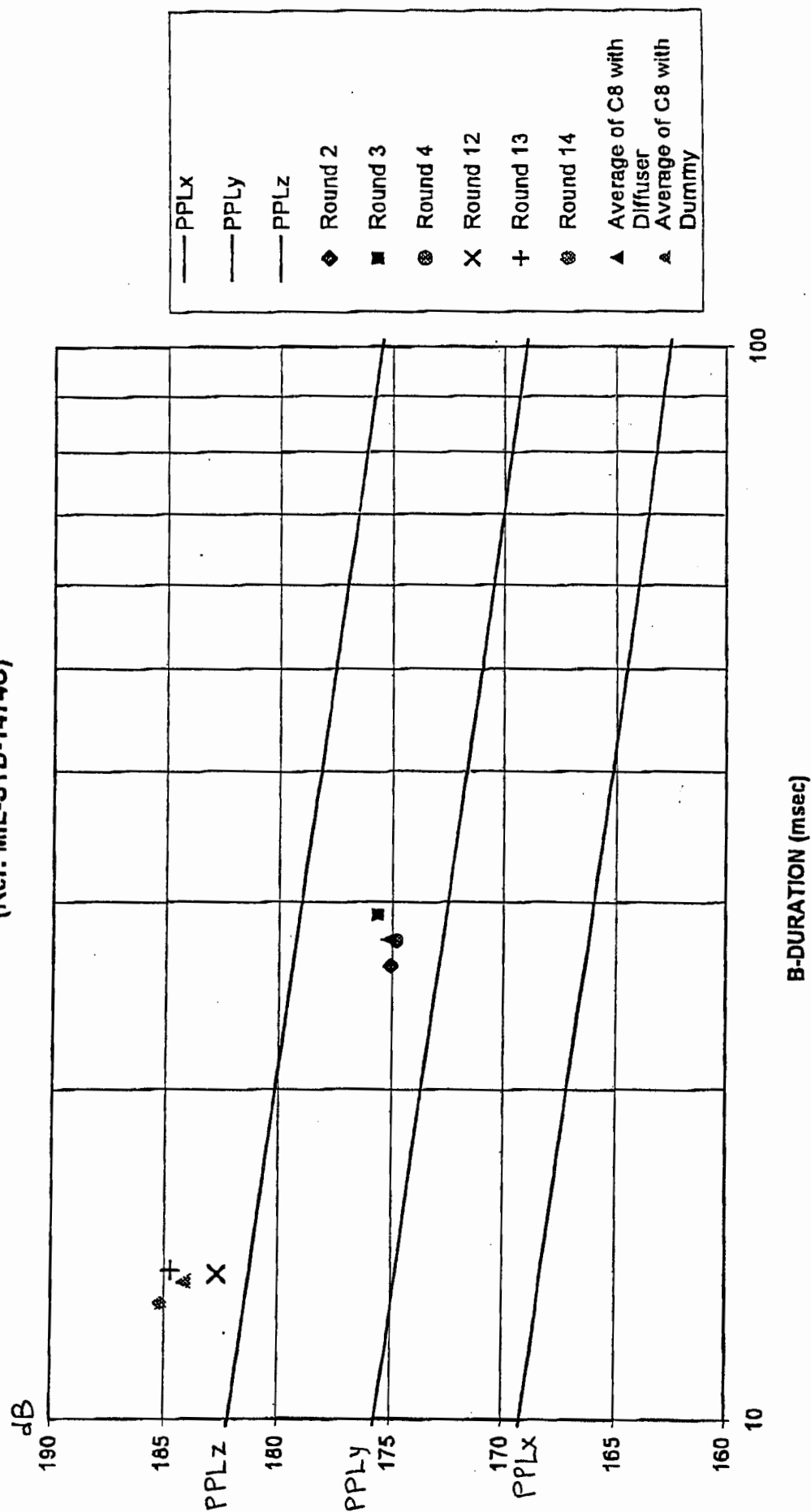


FIG. 6

Position, 1 meter from the barrel muzzle Charge 9
(Ref: MIL-STD-1474C)

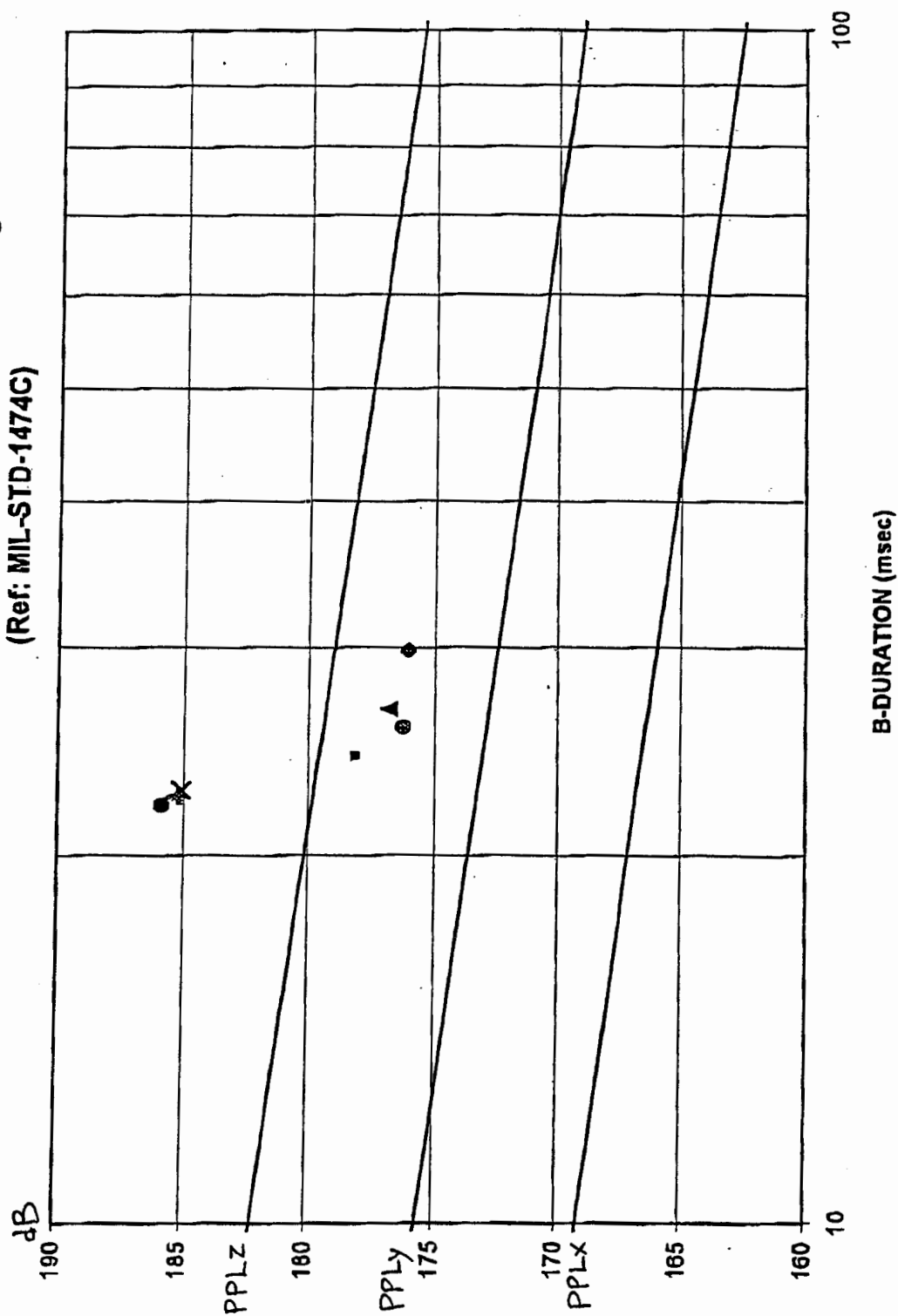


FIG. 7