



AN ISO 9001 : 2000 COMPANY

HYDRAULIC PIPE BENDING MACHINE - MANUAL CAPACITY - 10 MM (3/8") TO 100 MM (4") NB

MADE FROM SELECTED PROPER RAW MATERIALS, PUT THROUGH EXHAUSTIVE TRIALS, THESE SIMPLE BUT UNIQUELY DESIGNED MACHINES HAVE PROVED THOROUGHLY RELIABLE EQUIPMENTS IN SHOPS & FIELDWORK. COMPACT POWERFUL MACHINES COMBINING PORTABILITY WITH HEAVY DUTY PERFORMANCE, SKILLFULLY ENGINEERED TO GUARANTEE TROUBLE FREE SERVICE FOR YEARS WITH MINIMUM MAINTENANCE.

Based upon a proved and tested design for the bending of standard and High Pressure Pipes, 'VANKOS' VPB, 1050, 1080 & 10100 incorporate many desirable and up to date features. All models consist basically of a bending frame of immense strength, entirely constructed from rolled steel sections, bolted and welded where necessary, to provide a rigid yet transportable structure upon which are mounted the Hydraulic Power Unit and Bend Formers.

VANKOS HYDRAULIC PIPE BENDERS ARE CAPABLE OF BENDING PIPES AS PER IS - 1239 (PART-1) 1990

The Hydraulic Power Unit is a highly efficient powerful source of bending force developing 15, 30 and 50 tonne pressure, enough to bend the maximum size of tubes in the range with ease. The Pump Piston is made from high carbon steel, hardened and

ground to precision micro finish. Hydraulic Ram retraction is by spring.

Supplied with thick walled steel tube tripod for instant mounting at site or in shop ready for immediate use.

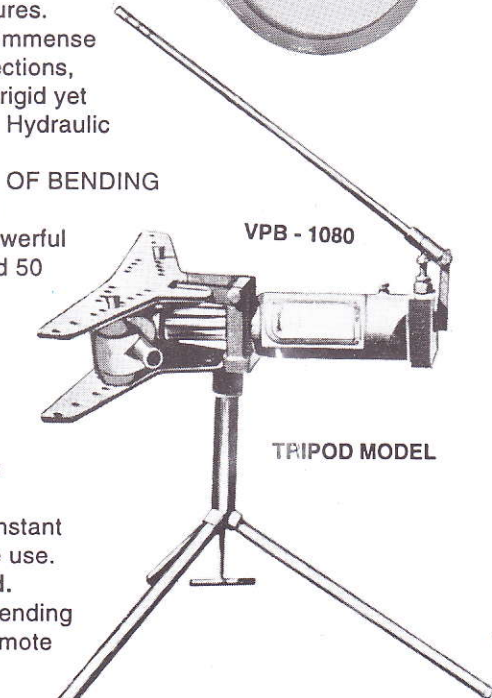
Spares & Service after Sales Guaranteed.

Also made to order Special Purpose Hydraulic Bending Equipment with attached Integral Pumps of Remote Control Pump Unit-Manual or Motorised. Bending capacity upto 100 MM ("4") NB

VPB - 1050



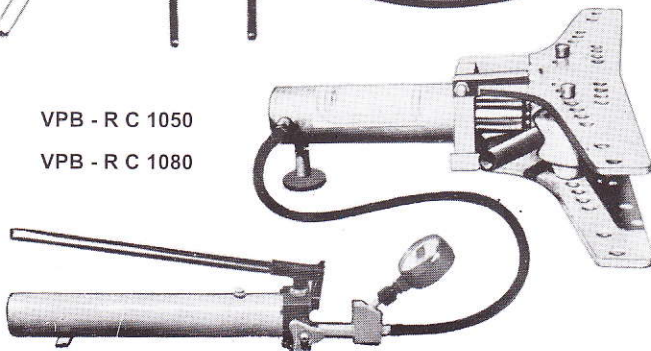
VPB - 1080



TRIPOD MODEL

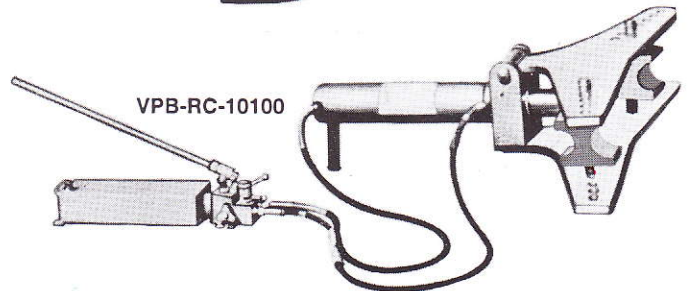
VPB - R C 1050

VPB - R C 1080



FLOOR MODEL (SINGLE ACTING)

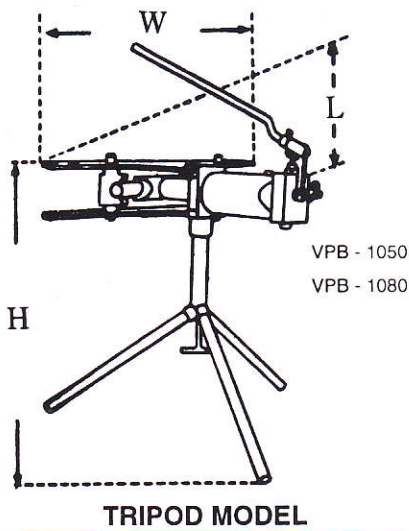
VPB-RC-10100



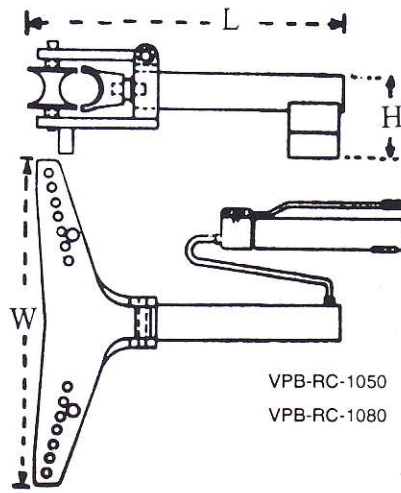
FLOOR MODEL (DOUBLE ACTING)

HYDRAULIC POWER FOR ALL APPLICATIONS

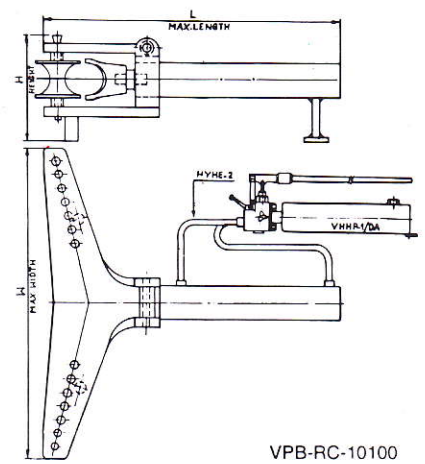




TRIPOD MODEL



FLOOR MODEL



FLOOR MODEL

MODELS	VPB-1050 TRIPOD MODEL				VPB-1080 TRIPOD MODEL				VPB-RC-10100 FLOOR MODEL			
Bending Capacity	10 to 50 mm NB 3/8 to 2"				10 to 80 mm NB 3/8 to 3"				10 to 100 mm NB 3/8 to 4"			
Bending Pressure	15 Tonnes				15 Tonnes				30 Tonnes			
Approx Length, L	680				685				1180			
Approx Width, W	865				920				1250			
Approx Height, H	860				860				350			
BENDING FORMERS	mm	Inch			mm	Inch			mm	Inch		
	10	3/8			10	3/8			10	3/8		
	15	1/2			15	1/2			15	1/2		
	20	3/4			20	3/4			20	3/4		
	25	1			25	1			25	1		
	32	1 1/4			32	1 1/4			32	1 1/4		
	40	1 1/2			40	1 1/2			40	1 1/2		
	50	2			50	2			50	2		
				65	2 1/2			65	2 1/2			
				80	3			80	3			
								100	4			
Side Hold Blocks	2 Nos.				2 Nos.				4 Nos.			
Nominal Bore Size	10	15	20	25	32	40	50	65	80		100	
BANDING RADIUS	VPB-1050				46	46	100	123	160	190	220	
	VPB-1080				46	46	100	123	160	190	220	290
	VPB-RC-10100				46	46	100	123	170	190	230	285
WEIGHT (APPROX)	80 KG.				115 KG.				320 KG.			

DIMENSION OF PIPE AS PER IS-1239 (PART-1) 1990

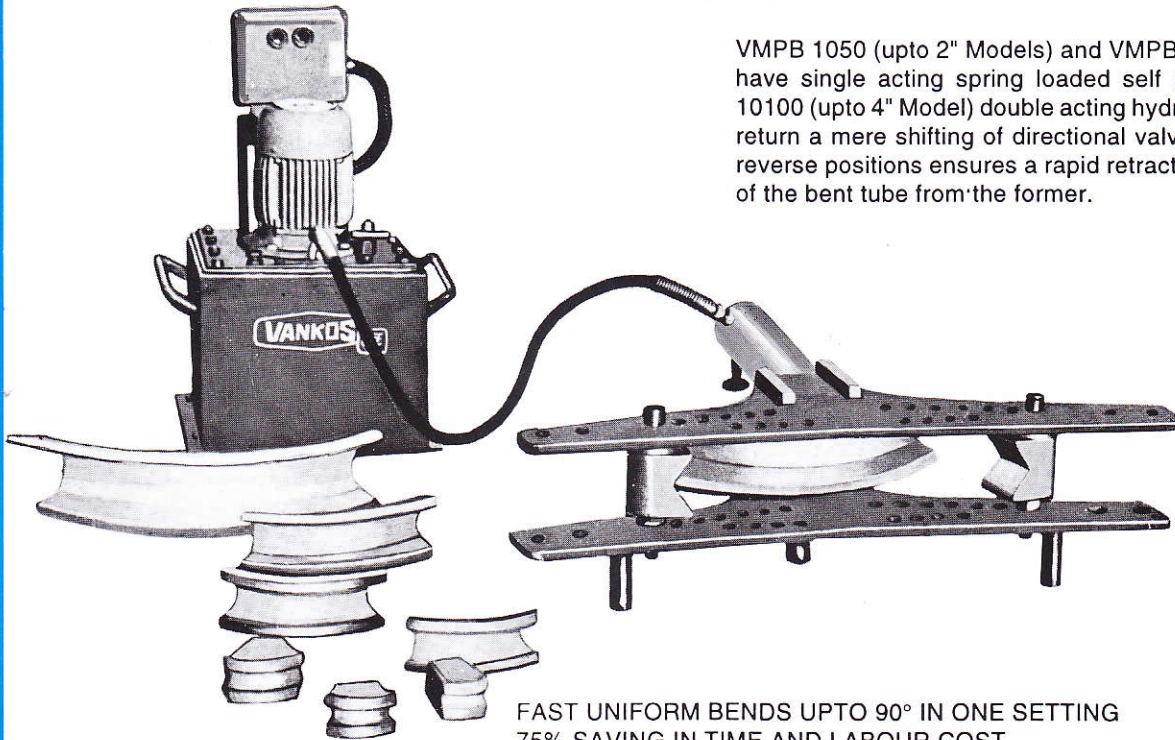
SL. NO.	LIGHT				MEDIUM				HEAVY			
	NB MM	OD MM		THK MM	NB MM	OD MM		THK MM	NB MM	OD MM		THK MM
		MAX	MIN			MAX	MIN			MAX	MIN	
1.	10	17.1	16.7	1.8	10	17.5	16.7	2.35	10	17.5	16.7	2.9
2.	15	21.4	21.0	2.0	15	21.8	21.0	2.65	15	21.8	21.0	2.35
3.	20	26.9	26.4	2.35	20	27.3	26.5	2.65	20	27.3	26.5	3.25
4.	25	33.8	33.2	2.65	25	34.2	33.3	3.25	25	34.2	33.3	4.05
5.	32	42.5	41.9	2.65	32	42.9	42.0	3.25	32	42.9	42.0	4.05
6.	40	48.4	47.8	2.9	40	48.8	47.9	3.25	40	48.8	47.9	4.05
7.	50	60.2	59.6	2.9	50	60.8	59.7	3.65	50	60.8	59.7	4.5
8.	65	76.0	75.2	3.25	65	76.6	75.3	3.65	65	76.6	75.3	4.5
9.	80	88.7	87.9	3.25	80	89.5	88.0	4.05	80	89.5	88.0	4.85
10.	100	113.9	113.0	3.65	100	115.0	113.1	4.5	100	115.0	113.1	5.4

HYDRAULIC PIPE BENDING MACHINE - MOTORISED

CAPACITY - 10 MM (3/8") TO 100 MM (4") NB

The "VANKOS" Hydraulic Pipe Benders Motorised Incorporate the time approved tested and highly successful technical features found in the famous range of VPB Manual Pipe Benders. The VMPB provides a completely versatile but highly portable range of tube bending machines for long operating life and trouble free service on sites or in the workshops. "VANKOS" Motorised Pipe Benders are capable of bending pipes as per IS : 1239 (Part-1) 1990

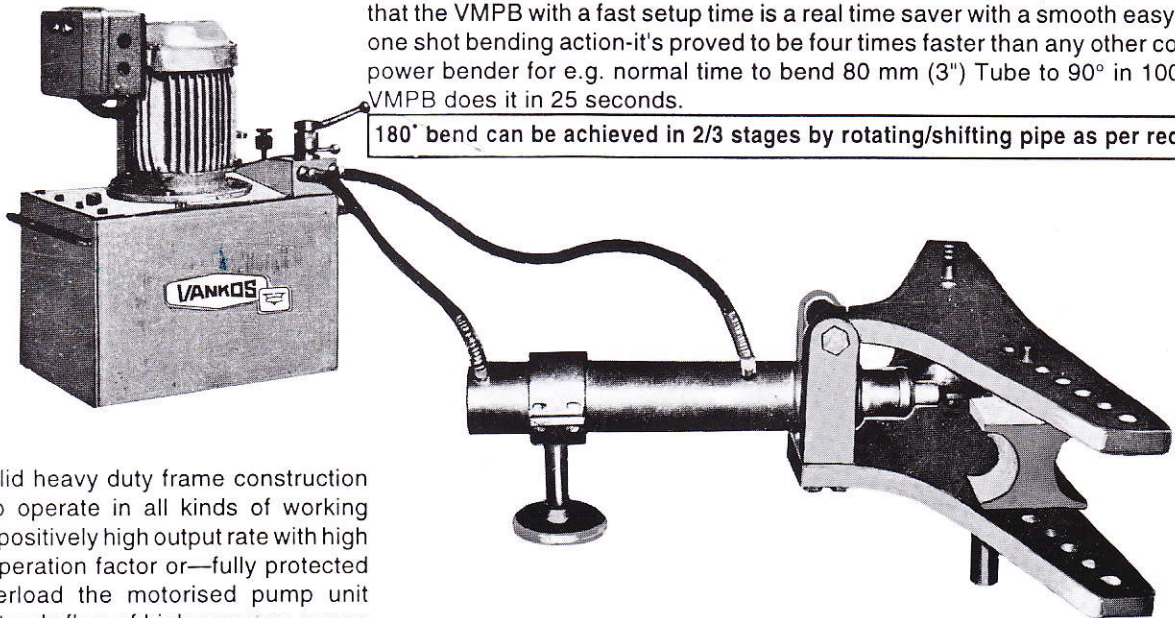
VMPB 1050 (upto 2" Models) and VMPB-1080 (Upto 3" models) have single acting spring loaded self retracting rams. VMPB 10100 (upto 4" Model) double acting hydraulic ram with hydraulic return a mere shifting of directional valve lever from forward to reverse positions ensures a rapid retraction with instant ejection of the bent tube from the former.



**FAST UNIFORM BENDS UPTO 90° IN ONE SETTING
75% SAVING IN TIME AND LABOUR COST**

Repeated test trials and demonstration have convinced many a hesitant customer that the VMPB with a fast setup time is a real time saver with a smooth easy effortless one shot bending action-it's proved to be four times faster than any other comparable power bender for e.g. normal time to bend 80 mm (3") Tube to 90° in 100 seconds VMPB does it in 25 seconds.

180° bend can be achieved in 2/3 stages by rotating/shifting pipe as per requirement.



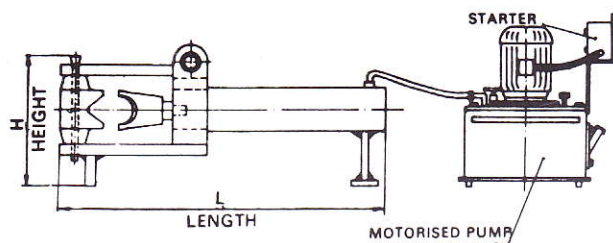
All Steel solid heavy duty frame construction designed to operate in all kinds of working conditions- positively high output rate with high efficiency operation factor or—fully protected against overload the motorised pump unit delivers a steady flow of high pressure power with simple push button starter control.

Both model (Manual and Motorised) are suitable for carbon steel pipes, alloy steel pipes and seamless pipes.

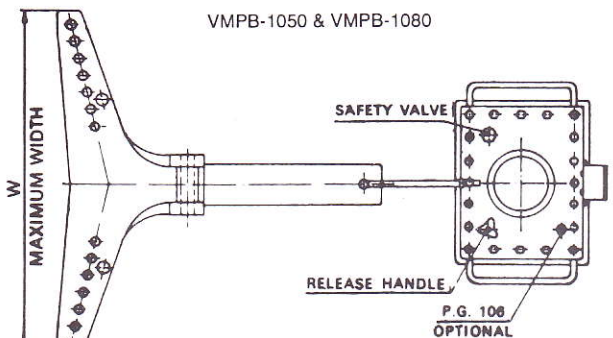
FLOOR MODELS	VPB-RC-1050	VPB-RC-1080
APPROX LENGTH, L	680	685
APPROX WIDTH, W	865	920
APPROX HEIGHT, H	245	250

OTHER DETAILS SAME AS TRIPOD MODELS

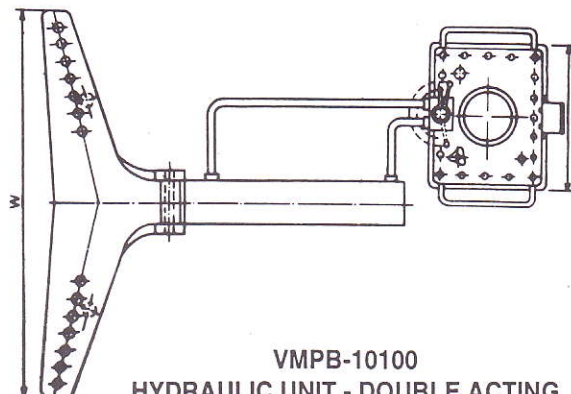
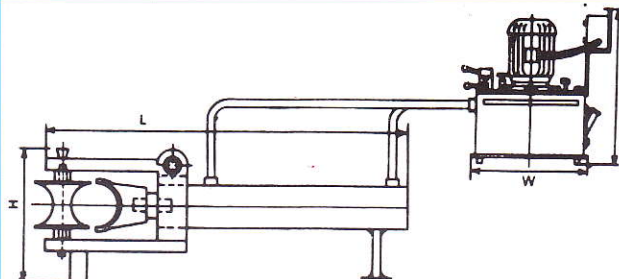
TECHNICAL SPECIFICATION-VANKOS HYDRAULIC MOTORISED PIPE BENDERS MODELS-VMPB 1050, 1080, 10100



VMPB-1050 & VMPB-1080



VMPB-1050 & 1080 HYDRAULIC UNIT-SINGLE ACTING



VMPB-10100 HYDRAULIC UNIT - DOUBLE ACTING

MODELS	VMPB-1050		VMPB-1080				VMPB-10100				
Bending Capacity	10 to 50 mm NB (Medium, Heavy Seamless)		10 to 80 mm NB (Medium, Heavy & Seamless)				10 to 100 mm NB (Medium, Heavy & Seamless)				
Bending Pressure	15 Tonnes		15 Tonnes				30 Tonnes				
Maximum Length 'L'	680 mm		685 mm				1180 mm				
Maximum Width 'W'	865 mm		920 mm				1250 mm				
Maximum Height 'H'	245 mm Floor Model		250 mm Floor Model				350 mm Floor Model				
Approximate Weight	130 Kgs.		150 kgs.				320 kgs.				
Hyd. Rubber Hose	HYHE-2 1 No.		HYHE-2 1 No.				HYHE-2 2 Nos.				
Bending Formers	mm	Inch	mm	Inch	mm	Inch	mm	Inch			
	10	3/8"	10	3/8"	10	3/8"	10	3/8"			
	15	1/2"	15	1/2"	15	1/2"	15	1/2"			
	20	3/4"	20	3/4"	20	3/4"	20	3/4"			
	25	1"	25	1"	25	1"	25	1"			
	32	1.1/4"	32	1.1/4"	32	1.1/4"	32	1.1/4"			
	40	1.1/2"	40	1.1/2"	40	1.1/2"	40	1.1/2"			
	50	2"	50	2"	50	2"	50	2"			
			65	2.1/2"	65	2.1/2"	65	2.1/2"			
			80	3"	80	3"	80	3"			
					100	4"					
Side Hold Blocks	2 Nos.		2 Nos.				4 Nos.				
Nominal Bore Size	10	15	20	25	32	40	50	65	80	90	100
Bending Radius	VMPB 1050	46	46	100	123	160	190	220			
	VMPB 1080	46	46	100	123	160	190	220	290	350	
	VMPB 10100	46	46	100	123	170	190	230	285	335	405

(Nominal Bore and its Corresponding Pipe OD)

NOMINAL BORE	PIPE/TUBE OD
10	10 & 15
15	21.8
20	25
25	32
32	42.9
40	44.5 & 47.6
50	51 & 54
65	63.5 & 76
80	89.5
100	115

POWER PACK DETAILS FOR MOTORISED PIPE BENDERS :

TYPE	MOTOR	WP	OT CAP	OIL DISCHARGE	OVERALL DIMENSION OF POWER PACK L x W x H
VHPP-I OR VHPP-1/DA	1 HP 440 V 3 PH 50 HZ	400	30 LTRS	1 LTR/MIN	450 X 400 X 300

VHPP-1 FOR 1050/1080 MODEL, VHPP-I/DA FOR 10100 MODEL
WP=WORKING PRESSURE IN KG/CM2, OT CAP.=OIL TANK CAPACITY

- All Dimensions are in mm unless otherwise stated.
- Designs and Dimensions are subject to alterations for the sake of improvement without notice
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WEBSITE : www.vankos.com

OTHER PRODUCTS MANUFACTURED BY VANKOS :

- * CYLINDERS/JACKS
 - * PRESSES
 - * LIFTING PLATFORMS
 - * HAND PUMPS
 - * POWER PACKS
 - * NUT SPLITTERS
 - * LOAD CELLS
 - * CRIMPING TOOLS
 - * PULLERS
 - * PIPE BENDERS
 - * PORTABLE CRANES
 - * PALLET TRUCKS
 - * SMALL TRACK MACHINE
 - * GANG JACKING SYSTEMS
 - * TROLLEY JACKS
 - * HYDRAULIC AIR CRAFT JACKS
- AND MANY MORE HYDRAULIC EQUIPMENTS CUSTOM MADE TO ORDER.

MANUFACTURED BY VANKOS & COMPANY

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