



# **PRODUCT PROFILE**

**VELJAN HYDRAIR LIMITED**



Model No.	Max. Pr.		Max. Displacement		Max. Speed rpm	Mounting Standard
	psi	bar	in <sup>3</sup> /rev	cm <sup>3</sup> /rev		
<b>Single Vane Pumps - Fixed Displacement</b>						
VTXB1	3000	210	0.4 - 2.80	6 - 45	2500	SAE-A
VTXB2	3000	210	0.4 - 2.80	6 - 45	2500	SAE-B
VT6B	3500	240	0.4 - 2.80	6 - 45	2500	SAE-A
VT6C	4000	275	0.66 - 6.10	11 - 100	2800	SAE-B
VT6CSH	4000	275	0.66 - 6.10	11 - 100	2800	SAE-B
VT6CP	4000	275	0.66 - 6.10	11 - 100	2800	SAE-C
VT6GC	4000	275	0.66 - 6.10	11 - 100	2800	R.17-102
VT6D	3500	240	2.9 - 11.62	48 - 190	2500	SAE-C
VT6E	3500	240	8.07 - 16.40	132 - 270	2200	SAE-C
VT7BS / B	4640	320	0.35 - 3.05	6 - 50	3600	SAE-B/ISO 3019-2
VT7QC1	4350	300	0.66 - 6.10	11 - 100	3000	SAE-B
VT7QC2	4350	300	0.66 - 6.10	11 - 100	3000	SAE-C
VT7DS / D	4350	300	2.68 - 9.64	44 - 158	3000	SAE-B/ISO 3019-2
VT7ES	3500	240	8.07 - 16.40	132 - 270	2200	SAE-C
<b>Double Vane Pumps - Fixed Displacement</b>						
VTXBB1	3000	210	0.8 - 5.6	12 - 90	2500	SAE-A
VTXBB2	3000	210	0.8 - 5.6	12 - 90	2500	SAE-B
VT6BB	3500	240	0.8 - 5.6	12 - 90	2500	SAE-B
VT6CB	4000	275	1.05 - 8.52	17 - 140	2500	SAE-B
VT6CC	4000	275	1.32 - 12.20	22 - 200	2800	SAE-B
VT6CCSH	4000	275	1.32 - 12.20	22 - 200	2800	SAE-B
VT6CCZ	4000	275	1.32 - 12.20	22 - 200	2800	SAE-C
VT6GCC	4000	275	1.32 - 12.20	22 - 200	2800	R.17-102
VT6DC	4000	275	3.56 - 17.75	59 - 290	2500	SAE-C
VT6DDS	3500	240	5.80 - 23.3	96 - 380	2500	SAE-C
VT6EC	4000	275	8.73 - 22.56	143 - 370	2200	SAE-C
VT6ED	3500	240	11.0 - 28.06	180 - 460	2200	SAE-C
VT6EE / EES	3500	240	16.1 - 32.94	264 - 540	2200	ISO / SAE-E
VT67BB	4350	300	0.35 - 3.05	12 - 100	2800	SAE-B
VT67CB	4350	300	1.01 - 9.15	17 - 150	2800	SAE-B
VT67DB	4350	300	3.25 - 14.7	54 - 240	2500	SAE-C
VT67EB	4350	300	8.42 - 19.45	138 - 320	2200	SAE-C
VT67EC	4000	275	8.73 - 22.5	143 - 370	2200	SAE-C
VT7BBS/BB	4650	320	0.67 - 6.10	12 - 100	3600	SAE-B
VT7QCC1	4350	300	1.32 - 12.20	22 - 200	3000	SAE-B/ISO 3019-2
VT7QCC2	4350	300	1.32 - 12.20	22 - 200	3000	SAE-C
VT7DBS	4350	300	3.03 - 12.69	50 - 208	2500	SAE-C
VT7QDC	4350	300	3.34 - 15.74	55 - 258	2500	SAE-C
VT7DDS/DD	3600	250	5.36 - 19.28	88 - 316	2500	SAE-C/ISO 3019-2
VT7EBS	4350	300	8.42 - 19.45	138 - 319	2200	SAE-C
VT7QEC	4350	300	8.73 - 22.56	143 - 370	2200	SAE-C
VT7EDS / ED	3600	250	10.7 - 26	176 - 427	2200	SAE-C/ISO 3019-2
VT7EE / EES	3500	240	16.1 - 32.8	264 - 540	2200	ISO / SAE-E
<b>Triple Vane Pumps - Fixed Displacement</b>						
VT6CBB	4000	275	1.46 - 11.7	23 - 180	2500	SAE-B
VT6CCB	4000	275	1.72 - 15	28 - 240	2500	SAE-B
VT6DCB	4000	275	3.96 - 20.5	65 - 330	2500	SAE-C
VT6DCC	4000	275	4.22 - 23.94	70 - 390	2500	SAE-C
VT6DDCS	4000	275	6.46 - 29.34	107 - 480	2500	SAE-C
VT6EDCS	4000	275	11.63 - 34.15	191 - 560	2200	SAE-E
VT67DBB	4350	300	3.59 - 17.75	60 - 290	2500	SAE-C
VT67DCB	4350	300	3.91 - 20.8	64 - 341	2200	SAE-C
VT67DCC	4000	275	4.0 - 21.84	66 - 358	2200	SAE-C
VT67DDCS	4000	275	6.0 - 25.38	99 - 416	2200	SAE-C
VT67EDB	4350	300	11.28 - 31.11	186 - 510	2500	ISO3019-2
VT67EDC	4000	275	11.41 - 32.14	187 - 528	2200	ISO3019-2
VT7DBBS	4350	300	3.35 - 15.74	56 - 258	2500	SAE-C
VT7QDCB	4350	300	3.66 - 18.9	61 - 308	2500	SAE-C
VT7QDCC	4000	275	3.96 - 21.84	66 - 358	2500	SAE-C
VT7DDBS	4350	300	5.67 - 22.33	94 - 366	2500	SAE-C
VT7EDB	4350	300	11.1 - 29.1	182 - 478	2200	ISO 3019-2
VT7QEDCS/EDC	4350	300	11.34 - 32.15	187 - 528	2200	SAE-E/ISO 3019-2

Model No.	Max. Pr.		Max. Displacement		Max. Speed rpm	Mounting Standard
	psi	bar	in <sup>3</sup> /rev	cm <sup>3</sup> /rev		
<b>Drive Train Vane Pumps - Fixed Displacement</b>						
VT6CR	4000	275	0.66 - 6.10	11 - 100	2800	SAE-B
VT6DR	3500	240	2.90 - 11.65	48 - 190	2500	SAE-C
VT6ER	3500	240	8.07 - 16.40	132 - 270	2200	SAE-C
VT6DCCR	4000	275	4.22 - 23.84	70 - 390	2500	SAE-C
VT6EDCR	4000	275	11.63 - 34.15	191 - 560	2200	ISO3019-2
VT6EES	3500	240	16.1 - 32.8	264 - 540	2200	SAE-E
VT7EES	3500	240	16.1 - 32.8	264 - 540	2200	SAE-E

**NOTE:-** 1. PUMPS ARE AVAILABLE IN INDUSTRIAL AND MOBILE DUTY TYPES AND ALSO WITH DOUBLE SHAFT SEALS.  
2. PUMPS ARE ALSO AVAILABLE WITH ISO-3019-2 MOUNTING STANDARD.

Model No.	Max. Pr.		Max. Displacement		Max. Speed rpm	Torque Nm / bar	Mounting Standard
	psi	bar	in <sup>3</sup> /rev	cm <sup>3</sup> /rev			
<b>VANE MOTORS</b>							
VM3B/VM3B1	3000	210	0.56 - 2.26	9 - 37	4000	0.15 - 0.58	SAE-A
VM4C/VM4C1	2500	175	1.49 - 4.89	24 - 80	4000	0.39 - 1.27	SAE-B
VM4SC/VM4SC1	3340	230	1.49 - 4.89	24 - 80	4000	0.39 - 1.27	SAE-B
VM4D/VM4D1	2500	175	3.97 - 8.81	65 - 144	4000	1.04 - 2.30	SAE-C
VM4SD/VM4SD1	3340	230	3.97 - 8.81	65 - 144	4000	1.04 - 2.30	SAE-C
VM4E/VM4E1	2500	175	9.67 - 13.55	158 - 222	3600	2.52 - 3.53	SAE-C
VM4SE/VM4SE1	3340	230	9.67 - 13.55	158 - 222	3600	2.52 - 3.53	SAE-C

Type	Max. Pr.		Max. Displacement		Max. Speed rpm
	psi	bar	in <sup>3</sup> /rev	cm <sup>3</sup> /rev	
<b>SYSTEM SAVERS</b>					
Single Vane Pumps	4650	320	0.39 - 16.47	6.50 - 270	3600
<b>Model No's:</b> VT6B, VT7B/VT7BS, VT6C, VT6QC, VT6CSH, VT6D, VT7D/VT7DS, VT6E, VT7E/VT7ES					
Double Vane Pumps	4650	320	0.79 - 32.94	13 - 540	3000
<b>Model No's:</b> VT6CC, VT7QCC, VT7BB/VT7BBS, VT6DC, VT7QDC, VT7DB/VT7DBS, VT6EC, VT7EB, VT6ED, VT7ED/VT7EDS, VT6DDS, VT7DD/VT7DDS, VT6EE/VT6EES, VT7EE/VT7EES, VT67CB, VT67DB, VT67EB.					
Triple Vane Pumps	4350	300	1.40 - 32.15	23 - 527	2500
<b>Model No's:</b> VT6CBB, VT6CCB, VT6DCC, VT6DDCS, VT6EDC, VT7DDB/VT7DDBS, VT7EDB/VT7EDBS					



Series	Size		Max. flow		Max. Pr.		Mounting Options
	in	mm	gpm	lpm	psi	bar	
<b>Pressure Controls</b>							
VR4* 03	3/8"	10	24	90	5000	350	Subplate / Threaded / Cartridge
VR4* 06	3/4"	20	80	300	5000	350	Subplate / Threaded / Cartridge
VR4* 10	1 1/4"	32	159	600	5000	350	Subplate / Threaded / Cartridge
VR5* 06	3/4"	20	24	90	5000	350	Flange
VR5* 08	1"	25	80	300	5000	350	Flange
VR5* 10	1 1/4"	32	159	600	5000	350	Flange
VR5* 12	1 1/2"	38	159	600	5000	350	Flange
VR1E02	1/4"	6	1.7	6.6	5000	350	Subplate / Panel / Foot / Cartridge
VVV01	-	-	1	3.8	5000	350	Stackable (vent valve)

\* V - Relief, U - Unloader, S - Sequence, R - Reducing

Series	Size		Max. flow		Max. Pr.		Mounting Options
	in	mm	gpm	lpm	psi	bar	
<b>Check Valves</b>							
VIC03	3/8"	10	13	50	4500	315	Threaded
VIC06	3/4"	20	53	200	4500	315	Threaded
VIC10	1 1/4"	32	106	400	4500	315	Threaded
VC4V03	3/8"	10	48	180	5000	350	Subplate / Threaded / Cartridge
VC4V06	3/4"	20	95	360	5000	350	Subplate / Threaded / Cartridge
VC4V10	1 1/2"	38	119	450	5000	350	Subplate / Threaded / Cartridge
VC5V06	3/4"	20	26	100	3050	210	Flange (Poppet & Ball Type)
VC5V08	1"	25	53	200	3050	210	Flange (Poppet & Ball Type)
VC5V10	1 1/4"	32	106	400	3050	210	Flange (Poppet & Ball Type)
VC5V12	1 1/2"	38	198	750	3050	210	Flange (Poppet & Ball Type)
VC5V16	2"	50	198	750	3050	210	Flange (Poppet & Ball Type)
<b>Pilot Operated Check Valves</b>							
VC4V03	3/8"	10	48	180	5000	350	Subplate / Threaded / Cartridge
VC4V06	3/4"	20	95	360	5000	350	Subplate / Threaded / Cartridge
VC4V10	1 1/2"	38	119	450	5000	350	Subplate / Threaded / Cartridge
<b>Air Bleed Off Valve</b>							
VAB04	1/4"	6			5000	350	Threaded

### Manifolds and Power Packs

**Power Systems** : Design and manufacture of Hydraulic Power Packs and Manifolds as per requirement of customers. Specialised in supply of high pressure systems for Steel Mills, Sugar Industry, Textile Machinery, Material Handling, Food Processing etc.




Series	Type	Size		Max. flow		Max. Pr.		Mounting Options
		in	mm	gpm	lpm	psi	bar	
<b>Seat Valves - On/Off</b>								
VD4S03	Body Type	3/8"	10	47	180	5000	350	Subplate / Threaded
VD4S06	Body Type	1"	25	95	360	5000	350	Subplate / Threaded
VD4S10	Body Type	1½"	38	158	600	5000	350	Subplate / Threaded
VD5S03	2/3 Port	3/4"	10	24	90	5000	350	SAE Flange
VD5S06	2/3 Port	1"	25	80	300	5000	350	SAE Flange
VD5S08	2/3 Port	1¼"	32	158	600	4000	280	SAE Flange
VD5S10	3 Port	1½"	38	158	600	5000	350	SAE Flange
VCAR4	Cavity as per VELJAN std.	1/2"	12	47	180	5000	350	Cartridge
VCAR2		1½"	38	158	600	5000	350	Cartridge



Series	Size		Max. flow		Max. Pr.		Mounting Options
	in	mm	gpm	lpm	psi	bar	
<b>Inline Throttle Valves</b>							
VITC03	3/8"	10	13	50	4500	315	Threaded
VITC06	3/4"	20	53	200	4500	315	Threaded
VITC10	1¼"	32	106	400	4500	315	Threaded
<b>Throttle without Check Valve</b>							
VDV7 06	3/8"	10	25	95	5000	350	Subplate / Threaded
VDV7 08	1/2"	12	25	95	5000	350	Subplate / Threaded
VDV7 12	3/4"	18	50	190	5000	350	Subplate / Threaded
VDV7 16	1"	25	50	190	5000	350	Subplate / Threaded
VDV7 20	1¼"	32	119	450	5000	350	Subplate / Threaded
VDV7 24	1½"	38	119	450	5000	350	Subplate / Threaded
<b>Throttle with Check Valve</b>							
VDRV7 06	3/8"	10	25	95	5000	350	Subplate / Threaded
VDRV7 08	1/2"	12	25	95	5000	350	Subplate / Threaded
VDRV7 12	3/4"	18	50	190	5000	350	Subplate / Threaded
VDRV7 16	1"	25	50	190	5000	350	Subplate / Threaded
VDRV7 20	1¼"	32	119	450	5000	350	Subplate / Threaded
VDRV7 24	1½"	38	119	450	5000	350	Subplate / Threaded





With over 45 years of hard core experience behind us, we offer you the best possible solutions in Hydraulic applications engineering in the industry. We have a full range of high-performance pumps, motors & valves backed by an in-house R & D and the expertise of our promoter Veljan Hydrair.

**The main fields of applications are :**

- ▶ Railway Tracklaying & Maintenance Machinery
- ▶ Die casting & Plastic processing Machinery
- ▶ Construction Vehicles & Mining Equipment
- ▶ Water well & other Drilling Rigs
- ▶ Winches & Cranes
- ▶ Presses & Shearing Machines
- ▶ Test & Gauging Stands
- ▶ Shipbuilding & Offshore Engineering
- ▶ Waste Disposal & Environmental Engineering
- ▶ Cellulose & Paper Manufacturing Machinery
- ▶ Steel plant Equipment
- ▶ Sugar & Food processing Machinery
- ▶ Material Handling Equipment
- ▶ Process Industry Machinery
- ▶ Ship Stabilizer & Steering Gear Equipment

**Your Local Representative:**



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