

V & VQ Series Intra Vane



V and VQ INTRA VANE design do great reduce of the high-pressure impact from the vane to the rotor; which do assistant [the vane pump](#) to be more stable performance, longer life and lower noise under high-pressure and high-speed circumstance.

Application as following:

**A.V and VQ Intra-Vane Pump for Industry Application**

- 1.V Series Single Pump: 20V, 25V, 35V, 45V
- 2.V Series Double Pump: 2520V, 2525V, 3520V, 3525V, 4520V, 4525V, 4535V
- 3.V10/V20 Series Vane Pump: V10, V20

**B. V and VQ Intra-Vane Pump for Automobile Equipment**

- 1.VQ Series Single Pump: 20VQ, 25VQ, 30VQ, 35VQ, 45VQ
- 2.VQ Series Double Pump: 2520VQ, 3020VQ, 3520VQ, 3525VQ, 3530VQ, 4520VQ, 4525VQ, 4530VQ, 4535VQ

**C. Lower Noise V and VQ Intra-Vane Pump**

- 1.SQPV Series Single Pump: SQPV1, SQPV2, SQPV3, SQPV4
- 2.SQPV Series Double Pump: SQPV21, SQPV31, SQPV32, SQPV41, SQPV42, SQPV43

**ZT International** — **The most professional exporter on special steel**

Tel:+86-571-28903510

E-mail:marketing@zt-corp.com

Fax:+86-571-28903510

baron.dayuan@gmail.com

Skype: baron.dayuan

Web:http://www.zt-corp.com

ADD: A401,Oceanwide International Center,2# Xiangzhang Road,Hangzhou,Zhejiang,China 310018.

**Parameter Table:**

Material	Hardness	Thickness	Width	Length	Radius	Precision	Surface Roughness
<u>M2</u> <u>SKH51</u>	HRC 60°~65°	2.300	14.500	22.000	Chamfer15°+R0.3	< 3μ	Ra < 0.2
	HRC 60°~65°	2.300	14.500	30.500	Chamfer15°+R0.3	< 3μ	Ra < 0.2
	HRC 60°~65°	2.600	15.950	33.300	Chamfer15°+R0.3	< 3μ	Ra < 0.2
	HRC 60°~65°	3.200	15.950	33.300	Chamfer15°+R0.3	< 3μ	Ra < 0.2
	HRC 60°~65°	3.200	18.150	40.200	Chamfer15°+R0.3	< 3μ	Ra < 0.2
	HRC 60°~65°	3.650	18.150	40.200	Chamfer15°+R0.3	< 3μ	Ra < 0.2
	HRC 60°~65°	3.200	21.750	46.420	Chamfer15°+R0.3	< 3μ	Ra < 0.2
	HRC 60°~65°	3.900	21.750	46.420	Chamfer15°+R0.3	< 3μ	Ra < 0.2

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