

# Pumps for the Municipal Market

## Advanced pumping technology for municipal infrastructure

Municipalities require reliable and environmentally friendly equipment for pumping of clean water and the proper disposal of wastewater. Ruhrpumpen offers water management pumping solutions that can operate throughout the whole water cycle in municipal water distribution networks.

	RP MODEL	DESCRIPTION	MUNICIPAL SERVICE	OPERATION LIMITS
	CPP / CPO / CRP	ANSI and ISO end suction process pumps, single stage (OH1)	<ul style="list-style-type: none"> <li>Water treatment</li> <li>Service water</li> </ul>	Capacity up to 13,340 gpm (2,800 m <sup>3</sup> /h) Head up to 770 ft (235 m)
	GSD / GSD-C	Single stage, end suction general service pump (OH0 & OH7)	<ul style="list-style-type: none"> <li>Booster service</li> <li>Dewatering</li> <li>Drainage</li> </ul>	Capacidad 4,000 gpm (908 m <sup>3</sup> /h) Head up to 400 ft (122 m)
	SHD / ESK SK / SKO / SKV ST / STV	Single stage, end suction pump (solids handling) in horizontal and vertical configurations (OH1)	<ul style="list-style-type: none"> <li>Sewage</li> <li>Wastewater transport and treatment</li> <li>Storm and flood water disposal</li> </ul>	Capacity up to 35,223 gpm (8,000 m <sup>3</sup> /h) Head up to 380 ft (116 m)
	SWP	Self-priming pump for solids handling applications (OH1A)	<ul style="list-style-type: none"> <li>Sewage</li> <li>Wastewater treatment</li> <li>Flood control and drainage</li> </ul>	Capacity up to 6,500 gpm (1,476 m <sup>3</sup> /h) Head up to 140 ft (42 m)
	IVP / ILL	Vertical in-line pumps in split and close coupled configurations (OH4 y OH5)	<ul style="list-style-type: none"> <li>Water treatment</li> <li>Booster service</li> </ul>	Capacity up to 10,000 gpm (2,271 m <sup>3</sup> /h) Head up to 400 ft (122 m)
	HSC / HSD HSR / ZW	Horizontal, single stage, split case pumps (BB1)	<ul style="list-style-type: none"> <li>Water treatment</li> <li>Potable water supply</li> <li>Booster service</li> </ul>	Capacity up to 140,000 gpm (31,900 m <sup>3</sup> /h) Head up to 2,210 ft (480 m)
	HSM	Horizontal, 2 or 4 stage, split case pumps for high pressure applications (BB3)	<ul style="list-style-type: none"> <li>Water transport and distribution</li> </ul>	Capacity up to 2,000 gpm (454 m <sup>3</sup> /h) Head up to 2,200 ft (670 m)
	VTP	Multi-stage, vertical turbine pumps with diffuser type bowl (VS1)	<ul style="list-style-type: none"> <li>Raw water intake</li> <li>Water supply and distribution</li> <li>Deep well</li> </ul>	Capacity up to 60,000 gpm (13,630 m <sup>3</sup> /h) Head up to 2,500 ft (762 m)
	VCT	Single or multi-stage, mixed and radial flow circulating pumps for wet pit applications (VS1)	<ul style="list-style-type: none"> <li>Water treatment</li> <li>Storm and flood water disposal</li> </ul>	Capacity up to 300,000 gpm (68,137 m <sup>3</sup> /h) Head up to 330 ft (100 m)
	VLT	Single or multi-stage, vertical turbine pumps with diffuser type bowl (VS1 & VS6)	<ul style="list-style-type: none"> <li>Raw water intake</li> <li>Water supply and distribution</li> </ul>	Capacity up to 45,000 gpm (9,500 m <sup>3</sup> /h) Head up to 4,900 ft (1,494 m)
	VAF	Vertical, single casing, axial flow impeller for low head applications (VS3)	<ul style="list-style-type: none"> <li>Raw water intake</li> <li>Flood control</li> </ul>	Capacity up to 320,000 gpm (72,700 m <sup>3</sup> /h) Head up to 90 ft (28 m)
	VSP	Single casing, sump pumps (VS4)	<ul style="list-style-type: none"> <li>Wastewater treatment</li> <li>Flood control and drainage</li> </ul>	Capacity up to 10,200 gpm (2,317 m <sup>3</sup> /h) Head up to 525 ft (160 m)
	SMF	Vertical submersible mixed flow pump for installation in a steel tube or concrete well (OH8A)	<ul style="list-style-type: none"> <li>Drainage</li> <li>Water lifting</li> <li>Water supply</li> </ul>	Capacity up to 79,344 gpm (18,000 m <sup>3</sup> /h) Head up to 165 ft (50 m)
	VTP-Sub	Vertical submersible, multi-stage, turbine pumps with diffuser type bowl (VS0)	<ul style="list-style-type: none"> <li>Raw water intake</li> <li>Well dewatering</li> </ul>	Capacity up to 60,000 gpm (13,630 m <sup>3</sup> /h) Head up to 2,500 ft (762 m)
<b>Pre-Packaged Fire Pump Systems</b>		Fire systems incorporate pumps, drivers, control systems and pipework in a single container. They can be skid mounted, with or without enclosure and supplied with electric motor or diesel engine.	<ul style="list-style-type: none"> <li>Fire Protection</li> </ul>	Capacity up to 5,500 gpm (1,250 m <sup>3</sup> /h) Head up to 670 ft (204 m) Pressure up to 355 psi (24 bar)

The Ruhrpumpen range of pumps for Municipal services is not limited to the pumps and operating limits mentioned. For more information please contact a Ruhrpumpen representative.