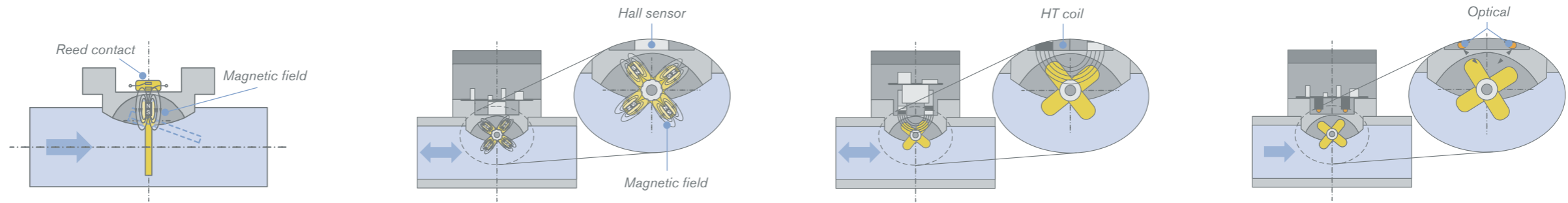


# 07 Flow | Paddle Wheel



Sensors which provide perfect performance for clean, neutral or aggressive liquids in moderate pressures and temperatures



	8010	8011	8012	SE30EX	8030 HT	8030	8032	8035B / 8036	8039	8020	8025B / 8036	8031
Sensor type	8010	8011	8012	SE30EX	8030 HT	8030	8032	8035B / 8036	8039	8020	8025B / 8036	8031
Sensor principle	Reed contact	Hall	Hall or optical	Hall	HT-coil	Hall	Hall	Hall	Optical	Hall	Hall	Hall
Flow rate range [l/min] Flow rate range [GPM]	4 - 1000 1 - 265	0.5 - 1000 .13 - 265	0.5 - 1000 .13 - 265	0.5 - 1000 .13 - 265	0.85 - 1000 .22 - 265	0.5 - 1000 .13 - 265	0.5 - 1000 .13 - 265	0.5 - 1000 .13 - 265	0.5 - 1000 .13 - 265	0.5 - 75000 .13 - 19,813	0.5 - 75000 .13 - 19,813	0.16 - 4 .04 - 1
Temperature/pressure range	see P/T chart pages 46/47	see P/T chart pages 46/47	see P/T chart pages 46/47	see P/T chart pages 46/47	see P/T chart pages 46/47	see P/T chart pages 46/47	see P/T chart pages 46/47	see P/T chart pages 46/47	see P/T chart pages 46/47	see P/T chart pages 46/47	see P/T chart pages 46/47	6bar (87psi) at 20 °C (68°F) Max 80 °C (176°F)
Nominal diameter	DN15 - DN50 (½" - 2" NPT)	DN6 - DN50 (6 mm - 2" NPT)	DN6 - DN50 (6 mm - 2" NPT)	DN6 - DN50 (6 mm - 2" NPT)	DN6 - DN50 (6 mm - 2" NPT)	DN6 - DN50 (6 mm - 2" NPT)	DN6 - DN50 (6 mm - 2" NPT)	DN6 - DN50 (6 mm - 2" NPT)	DN6 - DN50 (6 mm - 2" NPT)	DN15 - DN400 (½" - 2")	DN15 - DN400 (½" - 2")	G & NPT ½" - G ¼"
Wetted parts												
Paddle wheel	PVDF	PVDF	PVDF	PVDF	SS	PVDF	PVDF	PVDF	PVDF	PVDF	PVDF	POM/ECTFE
Axis/bearing	Ceramic/Ceramic	Ceramic/Ceramic	Ceramic/Ceramic	Ceramic/Ceramic	Ceramic/Ceramic or Steel/PEEK	Ceramic/Ceramic	Ceramic/Ceramic	Ceramic/Ceramic	Ceramic/Ceramic	Ceramic/Ceramic or Steel/PEEK	Ceramic/Ceramic	Corepoint/ Sapir/Rubin
Seal	FKM, EPDM	FKM, EPDM	FKM, EPDM	FKM	FKM, EPDM	FKM, EPDM	FKM, EPDM	FKM, EPDM	FKM, EPDM	FKM, EPDM	FKM, EPDM	FKM, EPDM, FFKM
Body	PVC, PP, PVDF, Br, SS	PVC, PP, PVDF, Br, SS	PVC, PP, PVDF, Br, SS	PVC, PP, PVDF, Br, SS	SS	PVC, PP, PVDF, Br, SS	PVC, PP, PVDF, Br, SS	PVC, PP, PVDF, Br, SS	SS, Br	PVC, PP, PVDF, Br, SS	PVC, PP, PVDF, Br, SS	POM, ECTFE
Fluid properties	No fibres No ferromagnetic parts. < 1% contaminants	No fibres No ferromagnetic parts. < 1% contaminants	No fibres < 1% contaminants	No fibres No ferromagnetic parts. < 1% contaminants	No fibres < 1% contaminants	No fibres No ferromagnetic parts. < 1% contaminants	No fibres No ferromagnetic parts. < 1% contaminants	No fibres No ferromagnetic parts. < 1% contaminants	No fibres < 1% contaminants	No fibres No ferromagnetic parts. < 1% contaminants	No fibres No ferromagnetic parts. < 1% contaminants	No fibres No ferromagnetic parts. < 1% contaminants
Viscosity [cSt]	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<5
Conductivity [µS/m]	No affect	No affect	No affect	No affect	No affect	No affect	No affect	No affect	No affect	No affect	No affect	No affect
Fitting type	S010	S012	S012	S030	S030 HT	S030	S030	S030	S039	S020	S020	integrated
Turndown	N/A	1:33	1:33	1:33	1:20	1:33	1:33	1:33	1:33	1:33	1:33	1:12
Electrical characteristics												
Basic function	Switch	Sensor	Sensor, Trans- mitter, Switch	Sensor	Sensor	Sensor	Sensor, Trans- mitter, Switch	Sensor, Trans- mitter, Switch, Batch, Totalizer	Sensor, Switch	Sensor	Sensor, Trans- mitter, Switch, Batch, Totalizer	Sensor
Output	Reed contact NO/NC	Pulse	4-20 mA, Pulse, Transistor	Namur	Pulse	Pulse	4-20 mA, Pulse, Transistor	4-20 mA, Pulse, Transistor, Relay	Pulse, Replace	Pulse	4-20 mA, Pulse, Transistor, Relay	Pulse
Display	No	No	No	No	No	No	Yes	Yes, removable	Yes	No	Yes, removable	No
Specifics	Compact	Compact	Compact	Compact	Compact	Compact	Compact, Wall	Compact, Wall	Compact	Compact	Compact, Wall, Panel	Compact