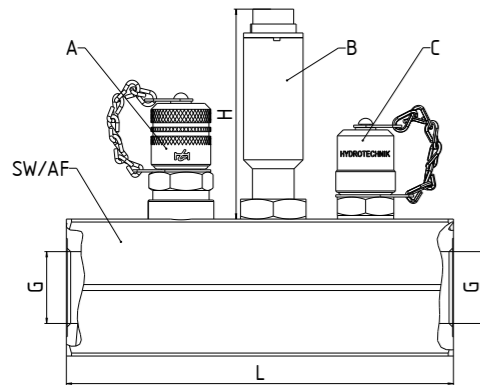


# HySense® QT 5xx



A	MINIMESS® 1620 series p/T test point
B	HySense® RS series inductive sensor
C	MINIMESS® 1620 series test point

Flow rate	Measuring range L/min	G ISO 228	AF mm	L mm	Weight g	H		
						QT 500	QT 506	QT 510
20 L/min	1 ... 20	G 1/4	41	100	Approx. 685	62 mm	98 mm	
75 L/min	2 ... 75	G 3/4	46	130	Approx. 900			
150 L/min	5 ... 150	G 3/4	55	140	Approx. 1150			
300 L/min	9 ... 300	G 1	55	150	Approx. 1230			
600 L/min	16 ... 600	G 1 1/4	60	174	Approx. 1520			

Flow rate	Max. operating pressure bar	Measuring accuracy		
		QT 500 <sup>1</sup>	QT 506	QT 510 <sup>2</sup>
20 L/min	420	±0.5% of reading		
75 L/min				
150 L/min				
300 L/min				
600 L/min				

<sup>1</sup> Different if a constant calibration value is used; please refer to the technical data sheet

<sup>2</sup> Additionally ±0.1% of full scale

## Part No. 3WXH-YY-35.ZZZZ

### Chemical compatibility

<b>W = 1</b>	Hydraulic fluids, transmission fluids
<b>3</b>	Water, oil-in-water emulsion, water and glycol mixtures, liquids containing water such as HFA / HFC (available starting mid-2020)
<b>A</b>	Skydrol (available starting mid-2020)

### Sensor

<b>X = C</b>	QT 506 CANopen, M12 electrical connector, 5-pin, ISDS
<b>I</b>	QT 510 analog 4 ... 20 mA, M12 electrical connector, 4-pin, ISDS
<b>J</b>	QT 510 analog 4 ... 20 mA, M16 electrical connector, 6-pin, ISDS
<b>K</b>	QT 500 frequency, M12 electrical connector, 4-pin, ISDS
<b>V</b>	QT 500 frequency, M16 electrical connector, 6-pin, ISDS

### Thread / Flow range

<b>YY = 02</b>	ISO 228-G 1/4	1 ... 20 L/min
<b>70</b>	ISO 228-G 3/4	2 ... 75 L/min
<b>71</b>	ISO 228-G 1	9 ... 300 L/min
<b>72</b>	ISO 228-G 1 1/4	16 ... 600 L/min
<b>73</b>	ISO 228-G 3/4	5 ... 150 L/min
<b>12</b>	7/16-20 UN	0.26 ... 5.3 GPM
<b>80</b>	1 1/16-12 UN	0.6 ... 20 GPM
<b>81</b>	1 5/16-12 UN	2.4 ... 80 GPM
<b>82</b>	1 5/8-12 UN	4.2 ... 160 GPM
<b>83</b>	1 5/16-12 UN	1.3 ... 40 GPM

### Calibration viscosity

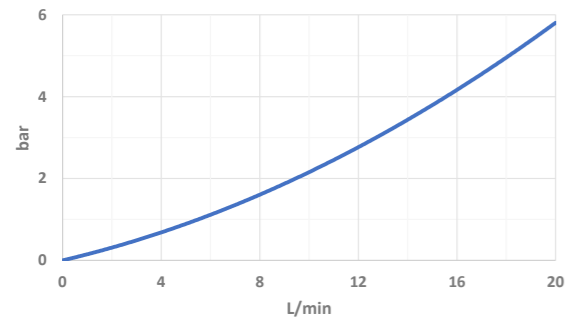
<b>W = 1</b>	→ 30 mm <sup>2</sup> /s: <b>ZZZZ = 030</b>
<b>W = 3</b>	→ 2,5 mm <sup>2</sup> /s: <b>ZZZZ = V012</b>
<b>W = A</b>	→ 11 mm <sup>2</sup> /s: <b>ZZZZ = 011</b>

General characteristics	
Fluid	Fuels, water, hydraulic fluids, transmission fluids, oil-in-water emulsions, water and glycol mixtures, brake fluid, Skydrol*
Flow range	1 ... 600 L/min*
Output signal	Frequency, CANopen, 4 ... 20 mA
Response time	< 0.05 s
Viscosity range	1 ... 150 mm <sup>2</sup> /s (cSt)*
Measuring accuracy	Up to ±0.5% of reading
Fluid temperature	-20 °C ... 100 °C*
Ambient temperature	-20 ... 85 °C
Turbine housing material	Stainless steel / aluminum
Seal material	FKM*
IP degree of protection	IP67 (DIN EN 60529)

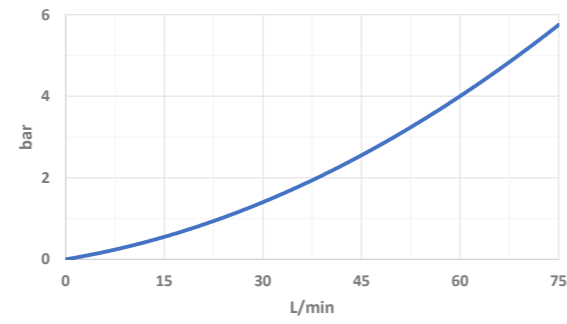
\* More available upon request

### Pressure differential at 30 mm<sup>2</sup>/s

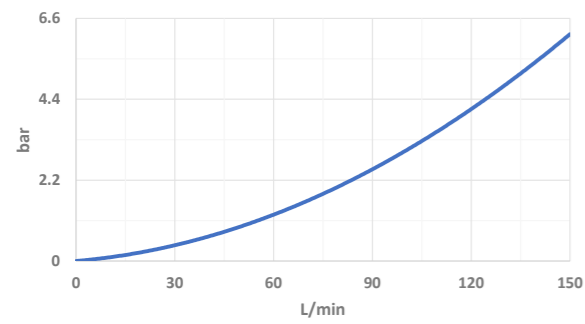
20 L/min



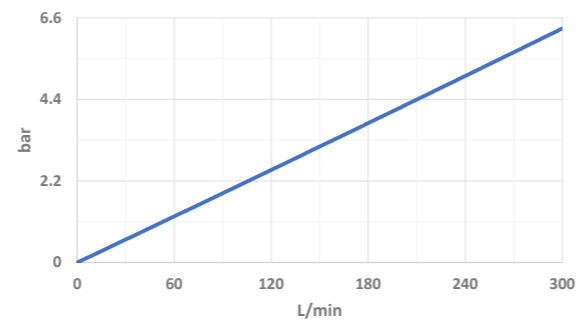
75 L/min



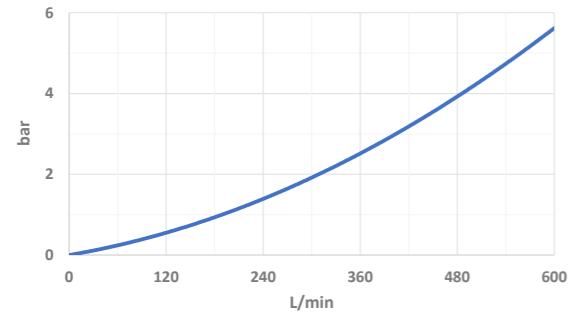
150 L/min



300 L/min



600 L/min



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