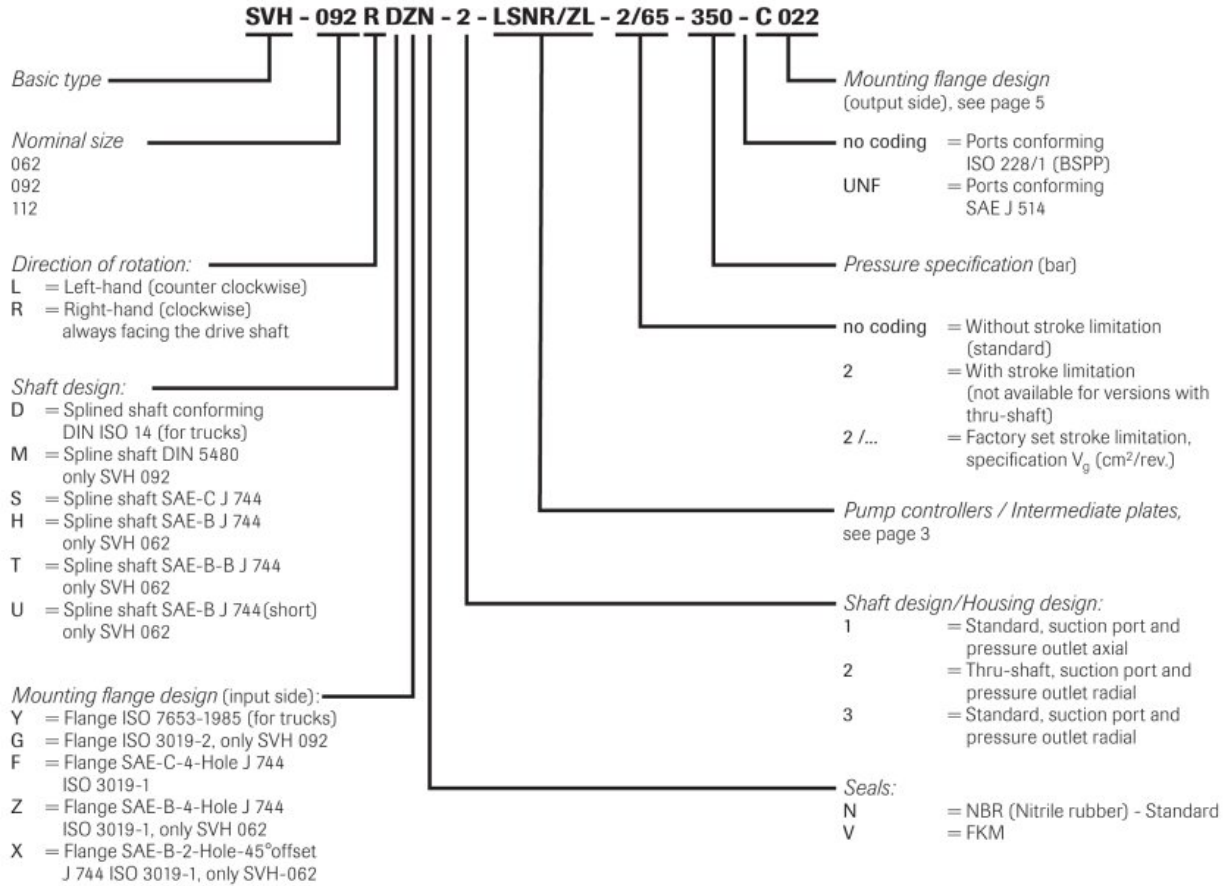


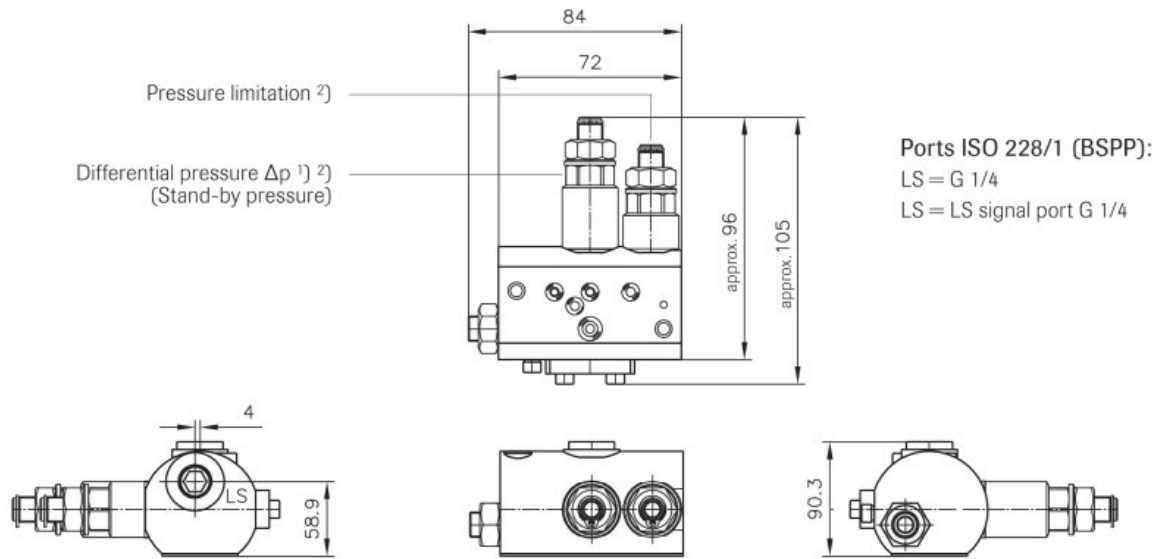
## Versions, main data



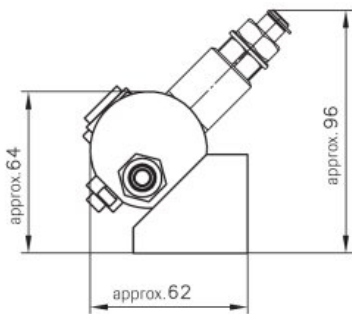
## Description of the controllers

<b>LSNR</b>	Load-Sensing controller with integrated pressure limitation
<b>NR</b>	Pressure controller, adjustable directly at the pump. The Pressure controller automatically maintains a constant system pressure independant of the required flow. Therefore it is suited for constant pressure systems, where differing flow is required or as efficient pressure limitation of the hydraulic system
<b>Intermediate plates</b>	Intermediate plate only in combination with controllers LSNR or NR
<b>/ZL</b>	Intermediate plate with power controller (torque limitation) Product "Pressure x Displacement" = constant Adjustment range: 25...100% of max. drive torque
<b>/ZW</b>	Angled intermediate plate (45°) mandatory for mounting controllers at pumps with housing design -2, -3

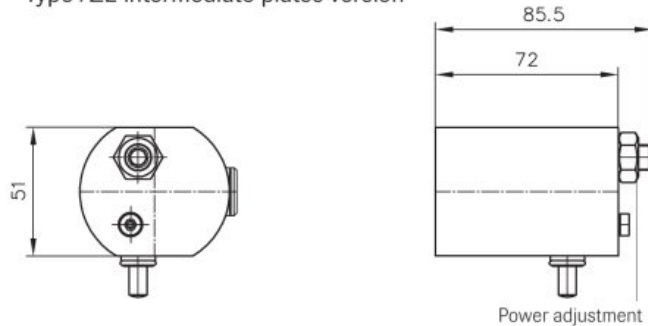
Type		SVH 062	SVH 092	SVH 112
Geometric displacement $V_g$	cm <sup>3</sup> /rev.	62.4	87.2	110.4
Nom. pressure $p_{nom}$	bar	350	350	350
Pressure $p_{max}$	bar	400	400	400
Angle of the swash plate		21.5°	21.5°	21.5°
Required inlet pressure (absolute) for open circuit	bar	0.85	0.85	0.85
Max. permissible drive torque	Nm	430	530	600
Max. permissible torque for the thru-shaft, dep. on flange	Nm	100	530	600
Max. rev. rating when self priming and max. angle of the swash plate at 1 bar absolute inlet pressure	rpm	2500	2300	2200
Min. rev. rating for permanent running	rpm	500	500	500
Required torque at 100 bar	Nm	100	151	184
Drive power for 250 bar and 2000 rpm	kW	53	79,5	97.2
Mass (weight) complete with controller	kg	23.2	27.2	29.9
Weight torque	Nm	30	35.3	40
Inertia moment	kg m <sup>2</sup>	0.005	0.008	0.01
Sound level at 250 bar, 1500 rpm and max. swash plate angle (Measured in a sound measuring room DIN ISO 4412, distance 1 m)	dB(A)	75	75	75



Intermediate plate  
Type /ZW version with thru-shaft



Controller  
Type /ZL intermediate plates version



Pressure adjustment	Pressure range (bar)	$\Delta p$ (bar)/rev.	Pressure setting, factory set (bar)
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Pressure limitation	20 ... 400	50	300
Differential pressure $\Delta p$	20 ... 55	12.5	27

<sup>1)</sup> Applies only type LSNR. <sup>2)</sup> The adjustment range is limited by a mechanical stop. **Attention:** Always use a pressure gauge when changing the pressure setting!