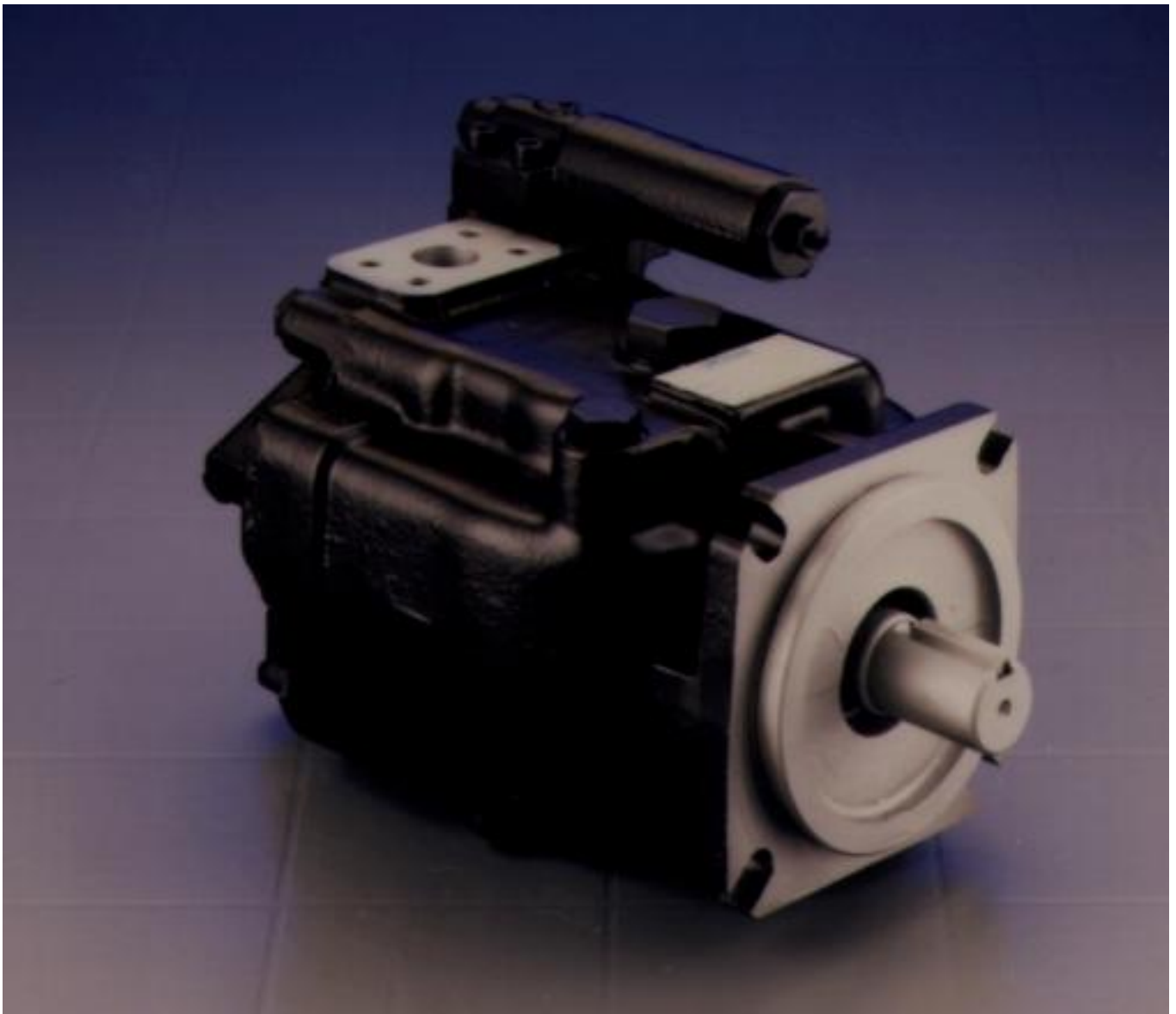




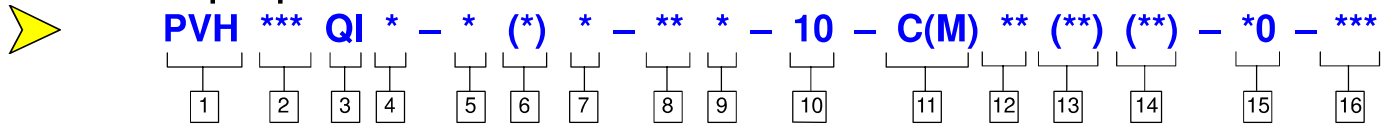
PVH Piston Pumps

Including Controls

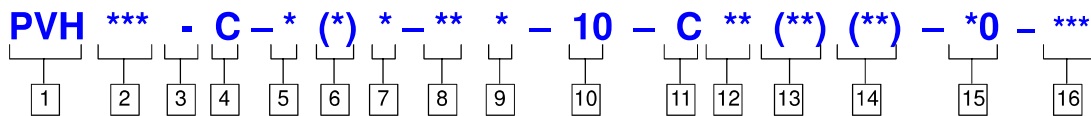


Model Code

Industrial pumps



Mobile pumps



| | | |
|--|--|---|
| 1 Piston pump, variable displacement | 8 Shaft-end type, at prime mover end | 12 Pressure compensator factory setting in tens of bar |
| 2 Maximum geometric displacement 57 = 57.4 cm ³ /r (3.5 in ³ /r) 74 = 73.7 cm ³ /r (4.5 in ³ /r) 98 = 98.3 cm ³ /r (6.0 in ³ /r) 131 = 131.1 cm ³ /r (8.0 in ³ /r) | N = ISO 3014/2- E32N Short straight keyed 1 = SAE "C" (J744-32-1) Straight keyed 2 = SAE "C" SAE "C" SAE "C" Splined 14 tooth (J744-32-4) 12/24 D.P. 3 = SAE "CC" Splined 17 tooth (J744-38-4) 12/24 D.P. 12 = SAE "D" Splined 13 tooth (J744-44-4) 8/16 D.P. 13 = SAE "C" Straight (J744-38-1) keyed 16 = SAE "D" Straight (J744-44-1) keyed | 25 = Normal factory setting of 250 bar for "C" models. 7 = Normal factory setting of 70 bar for "CM" models. |
| 3 Industrial version | 9 Shaft seal, prime mover end S = Single, one-way (standard) D = Double, two-way (optional) Recommended on second pump of tandem assembly (PVH**/ PVH**) | 13 Additional control functions Blank = No additional controls V = Load sensing, 20 bar differential pressure setting T = Torque limiter VT = Load sensing and torque limiter |
| 4 Mounting flange, prime mover end C = SAE "C" 4-bolt type (SAE J744-127-4) M = ISO 3019/2-125B4HW (Option for PVH57QI and PVH/74QI only) | 10 Pump design number 10 (Subject to change. Installation dimensions unaltered for design numbers 10 to 19 inclusive.) | 14 Torque limiter factory setting ** = Customer desired torque limiter setting specified in ten bar (145 psi) increments, e.g.: 8 = 80 bar (1160 psi); 18 = 180 bar (2610 psi). The torque setting range is from 30–80% of the specified compensator setting. |
| 5 Shaft rotation, viewed at prime mover end R = Right hand, clockwise (Standard on QI models) L = Left hand, counterclockwise (Optional on QI models) | 11 Pressure compensator adjustment range C = 70-250 bar (1015-3625 psi) (standard) CM = 40-130 bar ((580-1885 psi) (optional QI version) IC = Industrial control UV = Unloading valve control for accumulator circuits | 15 Control design number 31 = C, CM, or C**V controls. 13 = C**T controls 14 = C**VT controls 10 = UV and IC controls |
| 6 Configuration Blank = Non-thru-drive (single pump) A = Thru-drive pump with SAE "A" 2-bolt rear flange mounting (SAE J744-82-2) B = Thru-drive pump with SAE "B" 2- and 4-bolt rear flange mountings* (SAE J744-101-2/4) C = Thru-drive pump with SAE "C" 2- and 4-bolt rear flange mountings♦ (SAE J744-127-2/4) S = Adjustable maximum volume stop (non-thru-drive and non-torque-control pumps only) | 7 Main ports F = SAE 4-bolt flange pads (standard) M = SAE 4-bolt pads with metric mounting bolt threads (PVH57 & PVH74 only) ♦ Built from pump with SAE "A" rear pad to which suitable flange adapter is bolted. For best availability and flexibility, order PVH SAE "A" thru-drive pump and SAE "B" or "C" adapter kit separately. | 16 Special features suffix 027= Composite 2-bolt/4-bolt mounting conforming to SAE "C" (except PVH131) 031= Thru-drive SAE "A" pad cover 041= No case-to-inlet relief (for use with supercharged circuits) 057= Shaft-up operation (vertical mount) *Torque restrictions apply to #2 shaft in PVH74 and 98 thru-drive, and PVH131 single and thru-drive, pumps. Vickers is not responsible for misapplied usage of these shafts. Please contact a Vickers representative for review of your application. |