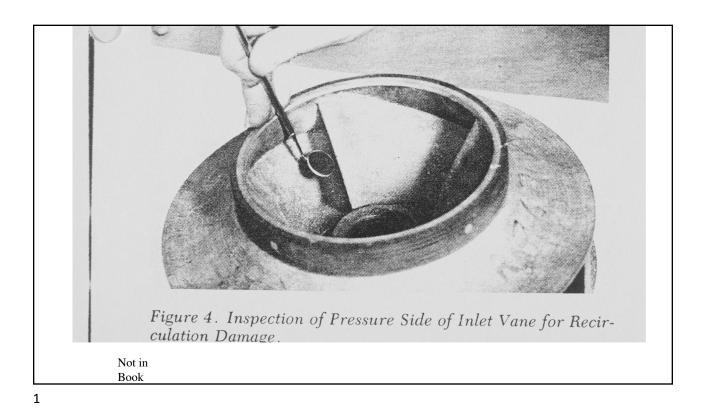
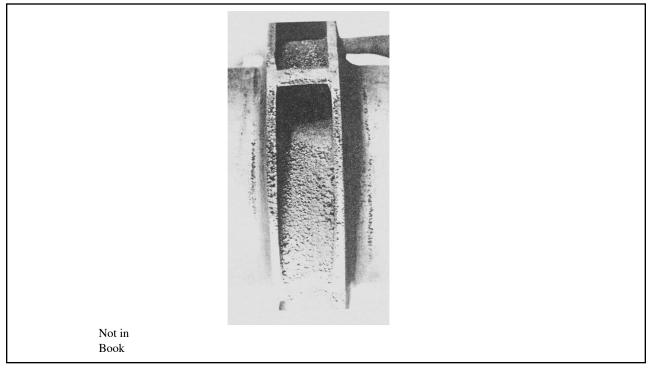
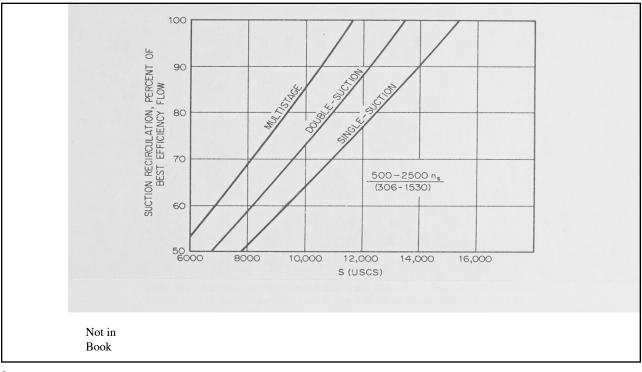
VOLK PUMP TRAINING VIDEO

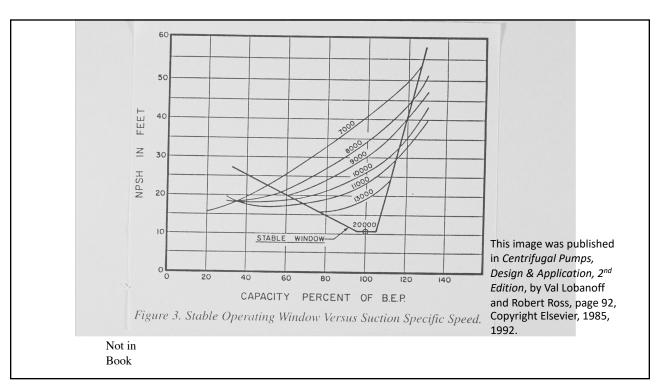
SLIDES NOT IN BOOK

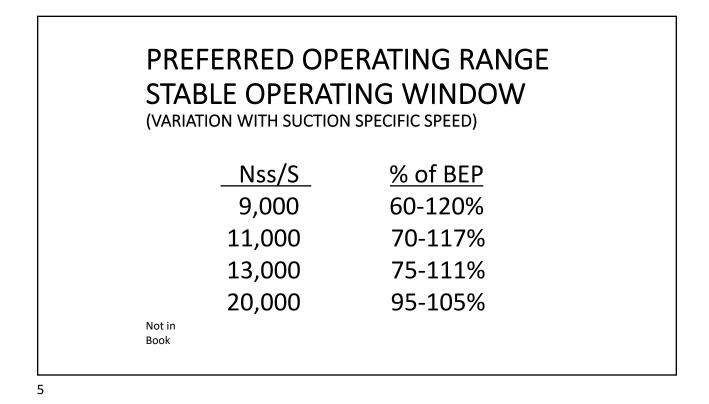


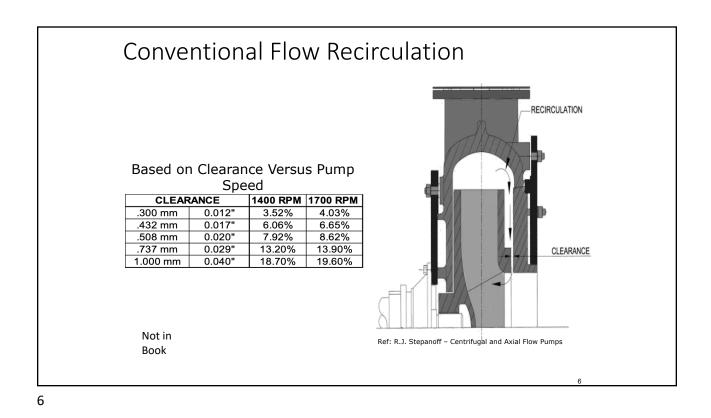












| Advantages | Urethane | Rubber | | | | |
|---------------|---|--------|--|--|--|--|
| | Highly durable | • | Water resistant | | | |
| | • High tear strength (stiffer | • | Flexible (more misalignment) | | | |
| | element) | • | Handles both temperature | | | |
| | Abrasion resistant | | extremes | | | |
| | No ozone cracking problems | • | Great electrical insulation | | | |
| | Durable in sunlight | | | | | |
| Disadvantages | Hysteresis | • | Hysteresis | | | |
| | Not high temperature material | • | Ozone cracking (sunlight aging) | | | |
| | Subject to hydrolysis in moisture-rich environments | • | Softer element material carries less torque | | | |
| | Stiffer element (allows less misalignment) | | | | | |

| | | BETWEEN STARTS FOR DESIGN A AND DESIGN B MOTORS | | | | | | | | | |
|--------|--|---|----------------------|---------------|------------------------|-------------|----------------------|--------------|-------------|-------------|--------------------------------|
| | | 2-Pole | | | 4-Pole | | | 6-Pole | | | |
| | HP | A | В | с | A | В | С | A | В | с | |
| | 1 | 15 | 1.2 | 75 | 30 | 5.8 | 38 | 34 | 15 | 33 | |
| | 1.5 2 | 12.9 | 1.8 | 76 77 | 25.7 | 8.6 | 38 | 29.1 | 23 | 34 | |
| | 2 | 11.5 9.9 | 2.4 3.5 | 80 | 23 19.8 | 11 17 | 39 40 | 26.1 22.4 | 30 44 | 35 36 | |
| | 5 | 8.1 | 3.5 5.7 | 83 | 19.8 | 27 | 40 | 18.4 | 44 71 | 30 | |
| | 7.5 | 7.0 | 8.3 | 88 | 13.9 | 39 | 44 | 15.8 | 104 | 39 | |
| | 10 | 6.2 | 11 | 92 | 12.5 | 51 | 46 | 14.2 | 137 | 41 | |
| | 15 | 5.4 | 16 | 100 | 10.7 | 75 | 50 | 12.1 | 200 | 44 | |
| | 20 | 4.8 | 21 | 110 | 9.6 | 99 | 55 | 10.9 | 262 | 48 | |
| | 25 | 4.4 | 26 | 115 | 8.8 | 122 | 58 | 10.0 | 324 | 51 | |
| | 30 | 4.1 | 31 | 120 | 8.2 | 144 | 60 | 9.3 | 384 | 53 | |
| | 40 | 3.7 | 40 | 130 | 7.4 | 189 | 65 | 8.4 | 503 | 57 | |
| | 50 | 3.4 | 49 | 145 | 6.8 | 232 | 72 | 7.7 | 620 | 64 | |
| | 60 | 3.2 | 58 | 170 | 6.3 | 275 | 85 | 7.2 | 735 | 75 | |
| | 75 | 2.9 | 71 | 180 | 5.8 | 338 | 90 | 6.6 | 904 | 79 | |
| | 100 | 2.6 | 92 | 110 | 5.2 | 441 | 110 | 5.9 | 1181 | 97 | |
| | 125 | 2.4 | 113 | 275 | 4.8 | 542 | 140 | 5.4 | 1452 | 120 | |
| | 150 | 2.2 | 133 | 320 | 4.5 | 640 | 160 | 5.1 | 1719 | 140 | |
| | 200 | 2.0 | 172 | 600 | 4.0 | 831 | 300 | 4.5 | 2238 | 265 | |
| | 250 | 1.8 | 210 | 1000 | 3.7 | 1017 | 500 | 4.2 | 2744 | 440 | |
| | Where: | | | | | | | | | | |
| | | | | | | | | | | | |
| | A = Maximum n B = Maximum p | | | | load Wk ² . | | | | | | |
| | C = Minimum re | | | | | | | | | | |
| | Allowable starts per h | our is the | lesser of (1 | I) A or (2) I | 3 divided I | by the load | Wk ² i.e. | | | | Reprinted by permission of the |
| | | | | | | | | | | | National Electrical |
| | Starts per hou | r≤A≤− | oad W/k ² | | | | | | | | Manufacturers Association, |
| | | | | | | | | | | | MG 10, 2017 |
| | Note: Table 7 is base | | • | | | | | | | | |
| Not in | a) Applied vo b) During the | | | | | | | ee then - | orguo v t-1 | ah variac - | as the square of |
| Notin | | | | | | ie at rated | | ss uian a | orque whi | un varies a | is the square of |

