

## KUKA VALVE

|    |       |                      |        |        | MATERIAL                    |                           |                    |               |             |                |        |               |                  |     |  |
|----|-------|----------------------|--------|--------|-----------------------------|---------------------------|--------------------|---------------|-------------|----------------|--------|---------------|------------------|-----|--|
| NO | BRAND | ITEM CODE            | SIZE   | RATING | BODY MATERIAL               | BODY MATERIAL DESCRIPTION | BALL/STEM          | SEAT MATERIAL | ENP /NO ENP | END CONNECTION | BORE   | MODEL         | ACTUAL CONDITION | QTY |  |
| 1  | KUKA  | *KKV02-15-023        | 2"     | 150#   | A216 WCB                    |                           | A351 CF8M 630      | PTFE          | NO ENP      | RF             | REDUCE | CAA 15 BG BN  | OK               | 0   |  |
| 2  | KUKA  | TBA                  | 2"     | 300#   | WCB + ENP                   |                           | F316 /F316         | PTFE          | WITH ENP    | RF             | REDUCE | CAA 30 SG LN  | OK               | 30  |  |
| 3  | KUKA  | TBA                  | 2"     | 300#   | WCB                         |                           | CF8M / F316        | PEEK          | NO ENP      | RF             | REDUCE | CAA 30 BK 050 | OK               | 1   |  |
| 4  | KUKA  | *KKV02-60-017        | 2"     | 600#   | A351 CF8M                   |                           | A351 CF8M 630      | DEVLON        | NO ENP      | RF             | REDUCE | CGA 60 DV BN  | OK               | 2   |  |
| 5  | KUKA  | *KKV02-60-034        | 2"     | 600#   | A351 CF8M                   |                           | TBA                | PTFE          | NO ENP      | RF             | REDUCE | CGA 60 DG BN  | OK               | 1   |  |
| 6  | KUKA  | TBA                  | 2"     | 900#   | LF2 + ENP                   |                           | A351 CF8M 630      | DEVLON        | WITH ENP    | RF             | FULL   | CHA 90 LV 050 | OK               | 2   |  |
| 7  | KUKA  | *KKV02-90-005        | 2"     | 900#   | A350 LF2 + NO ENP           |                           | F316 / 630         | DEVLON        | NO ENP      | RF             | REDUCE | CIA 90 LV BN  | OK               | 2   |  |
| 8  | KUKA  | *KKV03-15-001        | 3"     | 150#   | A216 WCB + NO ENP           |                           | A351 CF8M 316      | PTFE          | NO ENP      | RF             | REDUCE | CAA 15 BG LN  | OK               | 2   |  |
| 9  | KUKA  | *KKV03-15-002        | 3"     | 150#   | A216 WCB + NO ENP           |                           | A351 CF8M 316      | PTFE          | NO ENP      | RF             | REDUCE | CAA 15 BG BN  | OK               | 7   |  |
| 10 | KUKA  | *KKV03-15-008        | 3"     | 150#   | A352 LCC + NO ENP           |                           | A351 CF8M 316      | PTFE          | NO ENP      | RF             | FULL   | CBA 15 LG LN  | OK               | 5   |  |
| 11 | KUKA  | *KKV03-15-010        | 3"     | 150#   | A351 CF8M + ENP             |                           | A351 CF8M 316      | PTFE          | NO ENP      | RF             | REDUCE | CAA 15 DG LN  | OK               | 1   |  |
| 12 | KUKA  | *KKV03-15-011        | 3"     | 150#   | A216 WCB + NO ENP           |                           | A351 CF8M 316      | PTFE          | NO ENP      | RF             | REDUCE | CAA 15 BG BN  | OK               | 2   |  |
| 13 | KUKA  | *KKV03-30-004        | 3"     | 300#   | A216 WCB + NO ENP           |                           | A351 CF8M 316      | PTFE          | NO ENP      | RF             | REDUCE | CGA 30 BG BN  | OK               | 1   |  |
| 14 | KUKA  | *KKV03-60-013        | 3"     | 600#   | A352 LCC                    |                           | 316 SS 316         | DEVLON        | NO ENP      | RF             | FULL   | CFA 60 LV LN  | OK               | 3   |  |
| 15 | KUKA  | *KKV03-60-014        | 3"     | 600#   | A216 LCC + ENP              |                           | A351 CF8M 630      | DEVLON        | WITH ENP    | RF             | REDUCE | CGA 60 LV BN  | OK               | 1   |  |
| 16 | KUKA  | *KKV03-60-019        | 3"     | 600#   | A351 CF8M                   |                           | A182 F316          | DEVLON        | NO ENP      | RF             | FULL   | CFA 60 DV LN  | OK               | 3   |  |
| 17 | KUKA  | *KKV03-60-001        | 3"     | 600#   | A216 WCB                    |                           | TBA                | PEEK          | NO ENP      | RF             | REDUCE | CGA 60 BK BN  | OK               | 1   |  |
| 18 | KUKA  | *KKV03-60-015        | 3"     | 600#   | A216 WCB + NO ENP           |                           | A351 CF8M 316      | DEVLON        | NO ENP      | RF             | FULL   | CFA 60 BV BN  | OK               | 1   |  |
| 19 | KUKA  | *KKV03-60-016        | 3"     | 600#   | A216 WCB + NO ENP           |                           | A351 CF8M 630      | DEVLON        | NO ENP      | RF             | REDUCE | CGA 60 BV BN  | OK               | 1   |  |
| 20 | KUKA  | *KKV03-90-007        | 3"     | 900#   | A105 + NO ENP               |                           | 316 SS 630         | DEVLON        | NO ENP      | RF             | FULL   | CHA 90 BV GN  | OK               | 2   |  |
| 21 | KUKA  | *KKV04-15-002        | 4"     | 150#   | A352 LCC + NO ENP           |                           | A351 CF8M 316      | PTFE          | NO ENP      | RF             | FULL   | CBA 15 LG LN  | OK               | 5   |  |
| 22 | KUKA  | *KKV04-15-002 (Barv) | 4"     | 150#   | A352 LCC + NO ENP           |                           | A351 CF8M 316      | PTFE          | NO ENP      | RF             | FULL   | CBA 15 LG LN  | OK               | 2   |  |
| 23 | KUKA  | *KKV04-15-004        | 4"     | 150#   | C95800 (AL-BRONZE) + NO ENP |                           | C95800 (AL-BRONZE) | N04400        | NO ENP      | RF             | REDUCE | CAA 15 RG LN  | OK               | 2   |  |
| 24 | KUKA  | *KKV04-15-010        | 4"     | 150#   | A216 WCB + NO ENP           |                           | A351 CF8M 630      | PTFE          | NO ENP      | RF             | REDUCE | CAA 15 BG LN  | OK               | 1   |  |
| 25 | KUKA  | TBA                  | 4"     | 150#   | A351 CF8M                   |                           | F316 / F316        | PTFE          | NO ENP      | RF             | FULL   | CBA 15 DG 100 | OK               | 2   |  |
| 26 | KUKA  | TBA                  | 4"     | 150#   | WCB                         |                           | CF8M / 316         | PTFE          | NO ENP      | RF             | REDUCE | CAA 15 BG 100 | OK               | 1   |  |
| 27 | KUKA  | *KKV04-30-004        | 4"     | 300#   | A216 WCB + NO ENP           |                           | A351 CF8M 316      | PTFE          | NO ENP      | RF             | FULL   | CBA 30 SG BN  | OK               | 3   |  |
| 28 | KUKA  | *KKV04-90-001        | 4"     | 900#   | A350 LF2 + NO ENP           |                           | F316 / SS 630      | DEVLON        | NO ENP      | RF             | REDUCE | CIA 90 LV GN  | OK               | 2   |  |
| 29 | KUKA  | *KKV04-90-006        | 4"     | 900#   | A105 + NO ENP               |                           | A351 CF8M 630      | DEVLON        | NO ENP      | RF             | REDUCE | CIA 90 BV GN  | OK               | 1   |  |
| 30 | KUKA  | *KKV06-30-004        | 6"     | 300#   | A216 WCB + NO ENP           |                           | A351 CF8M 630      | PTFE          | NO ENP      | RF             | REDUCE | CGA30 BG BN   | OK               | 8   |  |
| 31 | KUKA  | *KKV06-60-007        | 6"     | 600#   | A216 WCB + NO ENP           |                           | A351 CF8M 630      | DEVLON        | NO ENP      | RF             | REDUCE | CGA 60 BV BN  | OK               | 3   |  |
| 32 | KUKA  | *KKV08-15-003        | 8"     | 150#   | A351 CF8M                   |                           | TBA                | PTFE          | NO ENP      | RF             | FULL   | CBA 15 DG GN  | OK               | 4   |  |
| 33 | KUKA  | *KKV08-30-003        | 8"     | 300#   | A216 WCB + NO ENP           |                           | A351 CF8M 630      | PTFE          | NO ENP      | RF             | REDUCE | CGA 30 BG BN  | OK               | 2   |  |
| 34 | KUKA  | *KKV08-60-002        | 8"     | 600#   | A216 WCB + NO ENP           |                           | A351 CF8M 630      | DEVLON        | NO ENP      | RF             | REDUCE | CGA 60 BV BN  | OK               | 1   |  |
| 35 | KUKA  | TBA                  | 8"     | 600#   | WCB                         |                           | CF8M 316           | DEVLON        | NO ENP      | RF             | FULL   | CFA 60 BV BN  | OK               | 1   |  |
| 36 | KUKA  | *KKV08-90-001        | 8"     | 900#   | A105 + NO ENP               |                           | A351 CF8M 630      | DEVLON        | NO ENP      | RF             | FULL   | CHA 90 BV BN  | OK               | 3   |  |
| 37 | KUKA  | TBA                  | 8"     | 900#   | A105 + NO ENP               |                           | A351 CF8M 630      | DEVLON        | NO ENP      | RF             | REDUCE | CIA 90 BV BN  | OK               | 1   |  |
| 38 | KUKA  | TBA                  | 10"    | 600#   | F316                        |                           | F316 / 630         | DEVLON        | NO ENP      | RF             | REDUCE | CIA 60 DV BN  | OK               | 1   |  |
| 39 | KUKA  | *KKV10-90-001        | 10"    | 900#   | A350 LF2 + ENP              |                           | CF8M / 630         | DEVLON        | WITH ENP    | RF             | FULL   | CHA 90 LV BN  | OK               | 1   |  |
| 40 | KUKA  | *KKV6Q-30-001        | 1 1/2" | 300#   | A351 CF8M                   |                           | CF8M / 630         | PTFE          | NO ENP      | RF             | FULL   | CBA 30 DG BN  | OK               | 4   |  |
| 41 | KUKA  | *KKV6Q-15-004        | 1 1/2" | 150#   | A216 WCB                    |                           | F316 / F316        | PTFE          | NO ENP      | RF             | REDUCE | CAA 15 BG LN  | OK               | 8   |  |

**DELLA VALVES**

| MATERIAL |       |               |        |        |               |                           |                      |               |             |                |        |      |                  |              |
|----------|-------|---------------|--------|--------|---------------|---------------------------|----------------------|---------------|-------------|----------------|--------|------|------------------|--------------|
| NO       | BRAND | ITEM CODE     | SIZE   | RATING | BODY MATERIAL | BODY MATERIAL DESCRIPTION | BALL/STEM            | SEAT MATERIAL | ENP /NO ENP | END CONNECTION | BORE   | TYPE | ACTUAL CONDITION | END SEPT BAL |
| 1        | DELLA | *DEV6Q-15-002 | 1 1/2" | 150#   | F316          |                           | F316                 | F316/PTFCG    | NO ENP      | RF             | FULL   | BALL | OK               | 1            |
| 2        | DELLA | *RPV6B-15-001 | 6"     | 150#   | A350 LF2 CL1  |                           | F316/F51             | F316/PTFCG    | NO ENP      | RF             | FULL   | BALL | OK               | 1            |
| 3        | DELLA | NILL          | 6"     | 600#   | F316          |                           | F316/A564 TP630      | F316/PTFCG    | NO ENP      | RF             | FULL   | BALL | OK               | 2            |
| 4        | DELLA | NILL          | 3"     | 1500#  | A105N         |                           | F6A CL2 / 564 TP 630 | F6A           | NO ENP      | RTJ            | FULL   | BALL | OK               | 7            |
| 5        | DELLA | NILL          | 3"     | 600#   | A105N         |                           | F316 / A564 TP 630   | F316/PTFCG    | NO ENP      | RF             | REDUCE | BALL | OK               | 2            |
| 6        | DELLA | NILL          | 3"     | 150#   | F316L         |                           | F316 / F316          | F316/PTFCG    | NO ENP      | RF             | FULL   | BALL | OK               | 1            |
| 7        | DELLA | NILL          | 2"     | 1500#  | A105N         |                           | F6A CL2 / 564 TP 630 | DEVLOM        | NO ENP      | RTJ            | FULL   | BALL | OK               | 1            |
| 8        | DELLA | NILL          | 2"     | 600#   | A105N         |                           | A182/F316/MM 19      | F316/RPTFE    | NO ENP      | RF             | REDUCE | BALL | OK               | 1            |
| 9        | DELLA | NILL          | 2"     | 600#   | F316          |                           | A182/F316/MM 19      | F316/DEVLOM   | NO ENP      | RF             | REDUCE | BALL | OK               | 1            |
| 10       | DELLA | NILL          | 2"     | 150#   | F316          |                           | F316/A564 TP630      | F316/PTFCG    | NO ENP      | RF             | FULL   | BALL | OK               | 2            |
| 11       | DELLA | NILL          | 2"     | 300#   | A105N         |                           | F316/INC 718         | F316/PTFCG    | NO ENP      | RF             | REDUCE | BALL | OK               | 1            |
| 12       | DELLA | NILL          | 8"     | 300#   | F51           | Stainless Steel - Forging | F51                  | F51/DEVLOM    | NO ENP      | RF             | REDUCE | BALL | OK               | 1            |

**LCM VALVES**

| MATERIAL |       |               |      |        |                 |                           |              |               |             |                |      |       |                  |              |
|----------|-------|---------------|------|--------|-----------------|---------------------------|--------------|---------------|-------------|----------------|------|-------|------------------|--------------|
| NO       | BRAND | ITEM CODE     | SIZE | RATING | BODY MATERIAL   | BODY MATERIAL DESCRIPTION | BALL/STEM    | SEAT MATERIAL | ENP /NO ENP | END CONNECTION | BORE | MODEL | ACTUAL CONDITION | END SEPT BAL |
| 1        | LCM   | *LCV06-51-001 | 6"   | 1500#  | A105N           |                           | F51          | F51-PEEK      | NO ENP      | RTJ            | FB   |       | OK               | 3            |
| 2        | LCM   | TBA           | 4"   | 300#   | A350 LF2        |                           | F51          | DEVLON        | NO ENP      | RF             | FB   |       | OK               | 1            |
| 3        | LCM   | TBA           | 3"   | 600#   | A350 LF2        |                           | F316         | DEVLON        | NO ENP      | RF             | FB   |       | OK               | 1            |
| 4        | LCM   | TBA           | 6"   | 600#   | A350 LF2        |                           | F51          | DEVLON        | NO ENP      | RF             | FB   |       | OK               | 3            |
| 5        | LCM   | *LCV03-90-001 | 3"   | 900#   | A351 CF8M F316L |                           | F 316        | PEEK          | NO ENP      | RTJ            | FB   |       | OK               | 1            |
| 6        | LCM   | TBA           | 2"   | 300#   | LF2 CL.1        |                           | F316/17-4-PH | F316 + DEVLON | NO ENP      | RF             | FB   |       | OK               | 1            |
| 7        | LCM   | *LCV01-15-001 | 1"   | 150#   | A350 LF2        |                           | F316         | DEVLON        | NO ENP      | RF             | FB   |       | OK               | 3            |
| 8        | LCM   | *LCV08-60-001 | 8"   | 600#   | A350 LF2        |                           | F51          | F51+DEVLON    | NO ENP      | RF             | FB   |       | OK               | 1            |
| 9        | LCM   | *LCV03-30-001 | 3"   | 300#   | A350 LF2        |                           | F316         | DEVLON        | NO ENP      | RF             | FB   |       | OK               | 4            |
|          |       |               |      |        |                 |                           |              |               |             |                |      |       |                  | 18           |

**OTHER BRANDS**

| MATERIAL |                   |               |        |        |                                |                           |                                 |                      |             |                |        |           |                  |              |
|----------|-------------------|---------------|--------|--------|--------------------------------|---------------------------|---------------------------------|----------------------|-------------|----------------|--------|-----------|------------------|--------------|
| NO       | BRAND             | ITEM CODE     | SIZE   | RATING | BODY MATERIAL                  | BODY MATERIAL DESCRIPTION | BALL/STEM                       | SEAT MATERIAL        | ENP /NO ENP | END CONNECTION | BORE   | TYPE      | ACTUAL CONDITION | END SEPT BAL |
| 1        | PBV USA           | *RPV10-60-001 | 10"    | 600#   | A350 LF2                       |                           | A351 CF8M                       | NYLON                | NO ENP      | RF             | FULL   | BALL      | OK               | 1            |
| 2        | VALVOLE           | NILL          | 14"    | 900#   | LF2                            |                           | LF2                             | LF2                  | NO ENP      | RTJ            | REDUCE | BALL      | OK               | 1            |
| 3        | SHIPHAM           | NILL          | 1"     | 150#   | ASTM B148 C95800               |                           | ASTM B150 C83200                | GLASS FILLED PTFE    | NO ENP      | RF             | REDUCE | BALL      | OK               | 0            |
| 4        | SHIPHAM           | NILL          | 1.5"   | 150#   | ASTM B148 C95400               |                           | ASTM B150 C83200                | INTEGRAL SEAT        | NO ENP      | FF             | FULL   | GATE      | OK               | 4            |
| 5        | SHIPHAM           | NILL          | 4"     | 150#   | ASTM B148 C95800               |                           | DISC / ASTM B150 C83200         | RPTFE                | NO ENP      | FF             | FULL   | BUTTERFLY | OK               | 1            |
| 6        | SHIPHAM           | NILL          | 4"     | 150#   | ASTM B148 C95800               |                           | DISC / ASTM B150 C83200         | INTEGRAL SEAT        | NO ENP      | FF             | FULL   | GLOBE     | OK               | 1            |
| 7        | SHIPHAM           | NILL          | 2"     | 150#   | UNC C95800                     |                           | UNC C95800                      | DEVLON               | NO ENP      | RF             | REDUCE | BALL      | OK               | 1            |
| 8        | SHIPHAM           | NILL          | 2"     | 150#   | ASTM B148 C95400               |                           | ASTM B150 C83200                | INTEGRAL SEAT        | NO ENP      | FF             | FULL   | GATE      | OK               | 20           |
| 9        | SHIPHAM           | NILL          | 2"     | 150#   | ASTM B148 C95800               |                           | DISC / ASTM B150 C83200         | INTEGRAL SEAT        | NO ENP      | FF             | FULL   | GLOBE     | OK               | 1            |
| 10       | SHIPHAM           | *SHV03-15-001 | 3"     | 150#   | UNC C95800                     |                           | UNC C95800                      | DEVLON               | NO ENP      | RF             | REDUCE | BALL      | OK               | 1            |
| 11       | VELAN             | *ATV30-15-001 | 3/4"   | 150#   | A351 CF8M                      |                           | A182 55316                      | PTFE                 | NO ENP      | RF             | FULL   | BALL      | OK               | 14           |
| 12       | KITZ              | NILL          | 1/2"   | 150#   | CF8M                           |                           | F316 / 316                      | H-PTFE               | NO ENP      | RF             | REDUCE | BALL      | OK               | 3            |
| 13       | KITZ              | NILL          | 1"     | 150#   | WCB                            |                           | 55316 / 55 316                  | H-PTFE               | NO ENP      | RF             | FULL   | BALL      | OK               | 1            |
| 14       | KITZ              | NILL          | 3"     | 150#   | WCB                            |                           | 55 316                          | H-PTFE               | NO ENP      | RF             | FULL   | BALL      | OK               | 1            |
| 15       | KITZ              | NILL          | 4"     | 150#   | ASTM A216 GR WCB               |                           | ASTM A276TYPE 316               | PTFE                 | NO ENP      | RF             | REDUCE | BALL      | OK               | 1            |
| 16       | KEAMY QUICK VALVE | NILL          | 12"    | 900#   | ASTM A350 LF2-INCONEL 625      |                           | F51-ENP                         | F51+DEVLON           | WITH ENP    | RTJ            | FULL   | BALL      | OK               | 1            |
| 17       | ZA.VE.RD          | *ZRV18-90-001 | 18"    | 900#   | A350 LF2 + ENP                 |                           | F316 / 17-4PH                   | DEVLON               | WITH ENP    | RF             | REDUCE | BALL      | OK               | 1            |
| 18       | ZA.VE.RD          | *ZRV18-90-001 | 18"    | 900#   | A350 LF2 + ENP                 |                           | F316 / 17-4PH                   | DEVLON               | WITH ENP    | RF             | REDUCE | BALL      | OK               | 1            |
| 19       | VIAR VALVOLE      | NILL          | 8"     | 150#   | ASTM A105                      |                           | ASTM A182 F316/ASTM A479 S31803 | ASTM A182 F316+RPTFE | NO ENP      | FF             | REDUCE | BALL      | OK               | 1            |
| 20       | VIAR VALVOLE      | NILL          | 1/2"   | 150#   | A105N                          |                           | F316L + TCC / XM 19             | F316L + TCC          | NO ENP      | RF             | FULL   | BALL      | OK               | 3            |
| 21       | VIAR VALVOLE      | NILL          | 1/2"   | 150#   | LF2                            |                           | F316L / XM 19                   | RPTFE                | NO ENP      | RF             | FULL   | BALL      | OK               | 4            |
| 22       | VIAR VALVOLE      | NILL          | 1/2"   | 300#   | F316L                          |                           | F316L / XM 19                   | RPTFE                | NO ENP      | RF             | FULL   | BALL      | OK               | 2            |
| 23       | VIAR VALVOLE      | NILL          | 3/4"   | 150#   | A105N A6641                    |                           | F316L / F51                     | F316L + RPTFE        | NO ENP      | RF             | REDUCE | BALL      | OK               | 2            |
| 24       | VIAR VALVOLE      | NILL          | 3/4"   | 150#   | A105N                          |                           | F316L / XM 19                   | RPTFE                | NO ENP      | RF             | REDUCE | BALL      | OK               | 1            |
| 25       | VIAR VALVOLE      | NILL          | 3/4"   | 150#   | F316L                          |                           | F316L / XM 19                   | RPTFE                | NO ENP      | RF             | REDUCE | BALL      | OK               | 1            |
| 26       | VIAR VALVOLE      | NILL          | 3/4"   | 150#   | F316L                          |                           | F316L / XM 19                   | KEL-F                | NO ENP      | RF             | REDUCE | BALL      | OK               | 1            |
| 27       | VIAR VALVOLE      | NILL          | 3/4"   | 600#   | LF2                            |                           | F316L / XM 19                   | RPTFE                | NO ENP      | RF             | REDUCE | BALL      | OK               | 6            |
| 28       | VIAR VALVOLE      | NILL          | 3/4"   | 600#   | A105N                          |                           | F316L / XM 19                   | RPTFE                | NO ENP      | RF             | REDUCE | BALL      | OK               | 7            |
| 29       | VIAR VALVOLE      | NILL          | 3/4"   | 600#   | F316L                          |                           | F316L / XM 19                   | KEL-F                | NO ENP      | RF             | REDUCE | BALL      | OK               | 26           |
| 30       | VIAR VALVOLE      | NILL          | 1"     | 150#   | A105N                          |                           | F316L / XM 19                   | RPTFE                | NO ENP      | RF             | REDUCE | BALL      | OK               | 1            |
| 31       | VIAR VALVOLE      | NILL          | 1 1/2" | 150#   | F316L                          |                           | F316L / XM 19                   | RPTFE                | NO ENP      | RF             | FULL   | BALL      | OK               | 1            |
| 32       | VIAR VALVOLE      | NILL          | 1 1/2" | 150#   | F316L                          |                           | F316L + TCC/XM 19               | F316L + TCC          | NO ENP      | RF             | REDUCE | BALL      | OK               | 1            |
| 33       | VIAR VALVOLE      | NILL          | 2"     | 1500#  | LF2                            |                           | F51 / 17-4 PH                   | F51                  | NO ENP      | RTJ            | REDUCE | BALL      | OK               | 1            |
| 34       | VIAR VALVOLE      | NILL          | 4"     | 1500#  | LF2                            |                           | F51 / 17-4 PH                   | F51                  | NO ENP      | RTJ            | REDUCE | BALL      | OK               | 1            |
| 35       | VIAR VALVOLE      | NILL          | 6"     | 1500#  | LF2                            |                           | F51 / 17-4 PH                   | F51                  | NO ENP      | RTJ            | REDUCE | BALL      | OK               | 1            |
| 36       | VIAR VALVOLE      | NILL          | 12"    | 600#   | A105N                          |                           | F316 / 17-4PH                   | DEVLON               | NO ENP      | RF             | REDUCE | BALL      | OK               | 1            |
| 37       | VIAR VALVOLE      | NILL          | 12"    | 150#   | A105N                          |                           | F316 / 17-4PH                   | PEEK                 | NO ENP      | RF             | REDUCE | BALL      | OK               | 3            |
| 38       | SFEROVA           | NILL          | 6"     | 300#   | ASTM A350 LF2 LOW TEMP C/STEEL |                           | ASTM A182 F316/A81 A182 316 SS  | DELAIN (POM)         | NO ENP      | RF             | FULL   | BALL      | OK               | 1            |

**NEW KUKA VALVE**

| MATERIAL |          |               |        |        |               |   |                      |               |             |                |      |                  |                  |              |
|----------|----------|---------------|--------|--------|---------------|---|----------------------|---------------|-------------|----------------|------|------------------|------------------|--------------|
| NO       | BRAND    | ITEM CODE     | SIZE   | RATING | BODY MATERIAL | BODY MATERIAL DESCRIPTION                     | BALL/STEM            | SEAT MATERIAL | ENP /NO ENP | END CONNECTION | BORE | MODEL            | ACTUAL CONDITION | END SEPT BAL |
| 1        | NEW KUKA | *KXV03-15-013 | 1"     | 150#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP      | RF             | FULL | CBA 15 LE 025 LN | OK               | 15           |
| 2        | NEW KUKA | TBA           | 1"     | 300#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP      | RF             | FULL | CBA 30 LE 025 LN | OK               | 17           |
| 3        | NEW KUKA | TBA           | 1"     | 600#   | A890-4A       | Mixed microstructure of austenite and ferrite | A182 F51             | DEVLON        | NO ENP      | RF             | FULL | CBA 60 HV 025 LN | OK               | 3            |
| 4        | NEW KUKA | TBA           | 1"     | 900#   | FS1           | Mixed microstructure of austenite and ferrite | FS1                  | DEVLON        | NO ENP      | UNMACHINED     | FULL | CBA 90 HV 025 LN | OK               | 4            |
| 5        | NEW KUKA | *KXV02-15-027 | 2"     | 150#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP      | RF             | FULL | CFA 15 LE 050 BN | OK               | 0            |
| 6        | NEW KUKA | *KXV02-60-011 | 2"     | 600#   | A890-4A       | Mixed microstructure of austenite and ferrite | A182 F51             | DEVLON        | NO ENP      | RF             | FULL | CFA 60 HV 050 BN | OK               | 3            |
| 7        | NEW KUKA | TBA           | 2"     | 900#   | FS1           | Duplex  | FS1                  | DEVLON        | NO ENP      | UNMACHINED     | FULL | CHA 90 HV 050 BN | OK               | 3            |
| 8        | NEW KUKA | *KXV03-15-015 | 3"     | 150#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP      | RF             | FULL | CFA 15 LE 080 BN | OK               | 7            |
| 9        | NEW KUKA | *KXV03-30-008 | 3"     | 300#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP      | RF             | FULL | CFA 30 LE 080 BN | OK               | 2            |
| 10       | NEW KUKA | *KXV03-60-008 | 3"     | 600#   | A890-4A       | Mixed microstructure of austenite and ferrite | A182 F51             | DEVLON        | NO ENP      | RF             | FULL | CFA 60 HV 080 BN | OK               | 3            |
| 11       | NEW KUKA | *KXV03-90-003 | 3"     | 900#   | FS1           | Mixed microstructure of austenite and ferrite | FS1                  | DEVLON        | NO ENP      | UNMACHINED     | FULL | CHA 90 HV 080 BN | OK               | 5            |
| 12       | NEW KUKA | *KXV03-90-012 | 3"     | 900#   | A350 LF2      | Low Temperature Carbon Steel -Casting         | A351 CF8M            | DEVLON        | NO ENP      | UNMACHINED     | FULL | CHA 90 LV 080 BN | OK               | 3            |
| 13       | NEW KUKA | *KXV04-15-014 | 4"     | 150#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP      | RF             | FULL | CFA 15 LE 100 BN | OK               | 6            |
| 14       | NEW KUKA | *KXV04-60-014 | 4"     | 600#   | A890-4A       | Mixed microstructure of austenite and ferrite | A182 F51             | DEVLON        | NO ENP      | RF             | FULL | CFA 60 HV 100 BN | OK               | 5            |
| 15       | NEW KUKA | *KXV04-90-004 | 4"     | 900#   | FS1           | Mixed microstructure of austenite and ferrite | FS1                  | DEVLON        | NO ENP      | UNMACHINED     | FULL | CHA 90 HV 100 BN | OK               | 1            |
| 16       | NEW KUKA | *KXV04-90-007 | 4"     | 900#   | A350 LF2      | Low Temperature Carbon Steel -Casting         | A351 CF8M            | DEVLON        | NO ENP      | UNMACHINED     | FULL | CHA 90 LV 100 BN | OK               | 4            |
| 17       | NEW KUKA | *KXV06-15-009 | 6"     | 150#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP      | RF             | FULL | CFA 15 LE 150 BN | OK               | 5            |
| 18       | NEW KUKA | *KXV06-30-005 | 6"     | 300#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP      | RF             | FULL | CFA 30 LE 150 BN | OK               | 5            |
| 19       | NEW KUKA | *KXV06-60-013 | 6"     | 600#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | DEVLON        | NO ENP      | RF             | FULL | CFA 60 LV 150 BN | OK               | 0            |
| 20       | NEW KUKA | *KXV08-15-004 | 8"     | 150#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP      | RF             | FULL | CFA 15 LE 200 BN | OK               | 6            |
| 21       | NEW KUKA | *KXV08-30-004 | 8"     | 300#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP      | RF             | FULL | CFA 30 LE 200 BN | OK               | 9            |
| 22       | NEW KUKA | *KXV08-60-001 | 8"     | 600#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | DEVLON        | NO ENP      | RF             | FULL | CFA 60 LV 200 BN | OK               | 5            |
| 23       | NEW KUKA | *KXV10-15-003 | 10"    | 150#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP      | RF             | FULL | CFA 15 LE 250 BN | OK               | 0            |
| 24       | NEW KUKA | *KXV10-30-004 | 10"    | 300#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP      | RF             | FULL | CFA 30 LE 250 BN | OK               | 9            |
| 25       | NEW KUKA | *KXV12-15-002 | 12"    | 150#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP      | RF             | FULL | CFA 15 LE 300 BN | OK               | 8            |
| 26       | NEW KUKA | TBA           | 1 1/2" | 150#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP      | RF             | FULL | CBA 15 LE 040 LN | OK               | 4            |
| 27       | NEW KUKA | TBA           | 1 1/2" | 300#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP      | RF             | FULL | CBA 30 LE 040 LN | OK               | 10           |
| 28       | NEW KUKA | *KXV6Q-60-001 | 1 1/2" | 600#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | DEVLON        | NO ENP      | RF             | FULL | CBA 60 LV 040 LN | OK               | 10           |
| 29       | NEW KUKA | TBA           | 1 1/2" | 600#   | A890-4A       | Mixed microstructure of austenite and ferrite | A182 F51             | DEVLON        | NO ENP      | RF             | FULL | CBA 60 HV 040 LN | OK               | 5            |
| 30       | NEW KUKA | TBA           | 1 1/2" | 900#   | FS1           | Mixed microstructure of austenite and ferrite | FS1                  | DEVLON        | NO ENP      | UNMACHINED     | FULL | CBA 90 HV 040 LN | OK               | 5            |
| 31       | NEW KUKA | *KXV3Q-15-013 | 3/4"   | 150#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP      | RF             | FULL | CBA 15 LE 020 LN | OK               | 4            |
| 32       | NEW KUKA | TBA           | 3/4"   | 300#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP      | RF             | FULL | CBA 30 LE 020 LN | OK               | 18           |
| 33       | NEW KUKA | *KXV3Q-60-003 | 3/4"   | 600#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | DEVLON        | NO ENP      | RF             | FULL | CBA 60 LV 020 LN | OK               | 20           |
| 34       | NEW KUKA | *KXV3Q-60-002 | 3/4"   | 600#   | A890-4A       | Mixed microstructure of austenite and ferrite | A182 F51             | DEVLON        | NO ENP      | RF             | FULL | CBA 60 HV 020 LN | OK               | 4            |
| 35       | NEW KUKA | TBA           | 3/4"   | 900#   | FS1           | Mixed microstructure of austenite and ferrite | FS1                  | DEVLON        | NO ENP      | UNMACHINED     | FULL | CBA 90 HV 020 LN | OK               | 5            |